

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062194.D
 Acq On : 17 Apr 2019 19:07
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:27 AM

Quant Time: Apr 18 07:12:35 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	5.04	168	397093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	592015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	459995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	233096	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	269773	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	4.30	113	356446	87.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.58%	
50) Toluene-d8	7.70	98	929248	62.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.56%	
62) 4-Bromofluorobenzene	11.48	95	334177	63.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	408258	85.722	ug/l	97
3) Chloromethane	1.15	50	426208	74.262	ug/l	98
4) Vinyl Chloride	1.19	62	366001	67.046	ug/l	98
5) Bromomethane	1.39	94	220969	61.514	ug/l	96
6) Chloroethane	1.44	64	156405	50.757	ug/l	96
7) Trichlorofluoromethane	1.55	101	478715	73.827	ug/l	95
8) Diethyl Ether	1.70	74	97924	36.205	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	317700	75.578	ug/l	99
10) Methyl Iodide	1.98	142	582380	119.838	ug/l	91
11) Tert butyl alcohol	2.69	59	84309	80.020	ug/l #	91
12) 1,1-Dichloroethene	1.86	96	308396	71.565	ug/l	97
13) Acrolein	2.10	56	43480	49.510	ug/l	97
14) Allyl chloride	2.20	41	341777	39.899	ug/l	98
15) Acrylonitrile	3.07	53	245092	88.299	ug/l	98
16) Acetone	2.34	43	302775	117.562	ug/l	98
17) Carbon Disulfide	1.91	76	882649	66.197	ug/l	100
18) Methyl Acetate	2.45	43	131359	20.296	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	558662	39.806	ug/l	99
20) Methylene Chloride	2.33	84	299197m	60.448	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	301211	65.982	ug/l	99
22) Diisopropyl ether	2.92	45	872696	50.514	ug/l	99
23) Vinyl Acetate	3.34	43	2153967	150.410	ug/l	99
24) 1,1-Dichloroethane	3.00	63	502124	57.345	ug/l	99
25) 2-Butanone	4.51	43	606910	145.776	ug/l	99
26) 2,2-Dichloropropane	3.76	77	235555	37.575	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	398565	75.072	ug/l	99
28) Bromochloromethane	3.89	49	236919	57.870	ug/l #	99
29) Tetrahydrofuran	4.26	42	270465	98.692	ug/l	98
30) Chloroform	4.04	83	599709	72.549	ug/l	97
31) Cyclohexane	3.86	56	581834	65.526	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	446247	68.962	ug/l #	89
36) 1,1-Dichloropropene	4.45	75	479606	75.563	ug/l	100
37) Ethyl Acetate	4.30	43	216438	30.489	ug/l #	100
38) Carbon Tetrachloride	4.17	117	443468m	83.622	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	582533	76.005	ug/l	97
40) Benzene	4.81	78	1229676	67.559	ug/l	100
41) Methacrylonitrile	4.92	41	127746	31.120	ug/l	95
42) 1,2-Dichloroethane	5.11	62	341694	55.142	ug/l	99
43) Isopropyl Acetate	7.10	43	243331	21.757	ug/l	99
44) Trichloroethene	5.67	130	341595	74.811	ug/l	100
45) 1,2-Dichloropropane	6.39	63	279096	57.345	ug/l	98
46) Dibromomethane	6.25	93	190277	65.223	ug/l	97
47) Bromodichloromethane	6.54	83	421369	72.768	ug/l	99
48) Methyl methacrylate	6.86	41	160579	28.615	ug/l	99
49) 1,4-Dioxane	6.86	88	36262	348.629	ug/l	98
51) 4-Methyl-2-Pentanone	8.39	43	872268	121.384	ug/l	100
52) Toluene	7.76	92	653163	60.747	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	314187	50.432	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	423015	58.929	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	189694	46.813	ug/l	98
56) Ethyl methacrylate	8.74	69	219575	31.732	ug/l	99
57) 1,3-Dichloropropane	8.98	76	305555	42.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	348043	96.331	ug/l	97
59) 2-Hexanone	9.61	43	567310	103.477	ug/l	96
60) Dibromochloromethane	8.85	129	291617	71.194	ug/l	97
61) 1,2-Dibromoethane	9.12	107	216290	51.303	ug/l	97
64) Tetrachloroethene	8.29	164	295931	81.509	ug/l	99
65) Chlorobenzene	9.91	112	694078	70.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	306805	84.527	ug/l	99
67) Ethyl Benzene	10.01	91	1198082	67.220	ug/l	100
68) m/p-Xylenes	10.25	106	878946	135.534	ug/l	94
69) o-Xylene	10.80	106	496314	76.327	ug/l	95
70) Styrene	10.88	104	691027	64.141	ug/l	99
71) Bromoform	10.86	173	166804	62.483	ug/l #	100
73) Isopropylbenzene	11.20	105	1372496	75.432	ug/l	98
74) N-amyl acetate	11.44	43	341762	36.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	244910	40.715	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	166280	31.992	ug/l #	64
77) Bromobenzene	11.57	156	308388	68.946	ug/l	99
78) n-propylbenzene	11.66	91	1402215	68.817	ug/l	99
79) 2-Chlorotoluene	11.79	91	886748	71.573	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	1143040	75.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.92	75	82179m	40.395	ug/l	
82) 4-Chlorotoluene	11.96	91	854052	61.307	ug/l	99
83) tert-Butylbenzene	12.19	119	1170107	78.798	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	1074285	70.239	ug/l	97
85) sec-Butylbenzene	12.36	105	1501992	83.493	ug/l	99
86) p-Isopropyltoluene	12.51	119	1261531	77.734	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	527160	67.182	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	516887	65.124	ug/l	99
89) n-Butylbenzene	12.89	91	1158285	77.732	ug/l	98
90) Hexachloroethane	12.96	117	343529	115.443	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	514399	66.449	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	45717	33.774	ug/l	94

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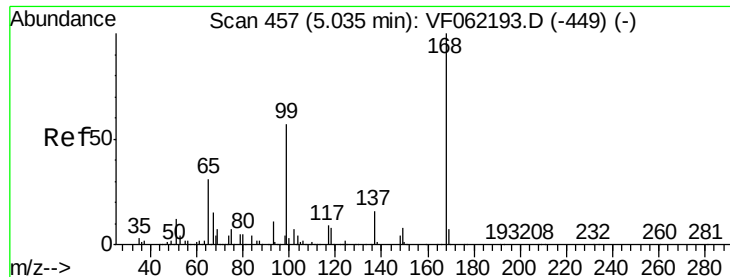
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	423826	74.108	ug/l	99
94) Hexachlorobutadiene	14.22	225	310452	100.982	ug/l	99
95) Naphthalene	14.49	128	811737	48.226	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	429552	75.646	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 397093

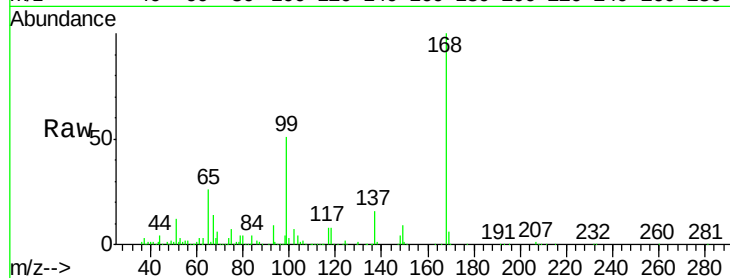
Ion Ratio Lower Upper

168 100

99 50.7 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

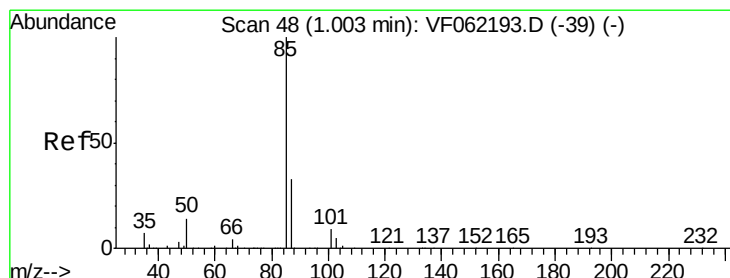
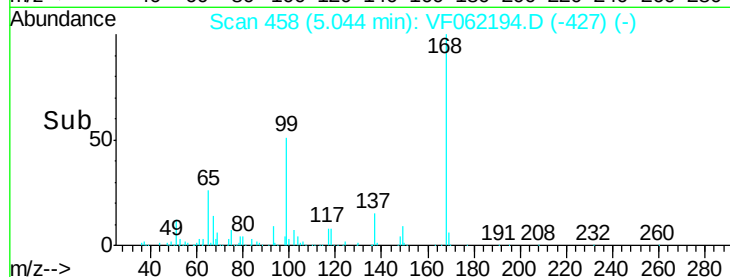
150000

100000

50000

0

Time--> 4.80 5.00 5.20 5.40



#2

Dichlorodifluoromethane

Concen: 85.722 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062194.D

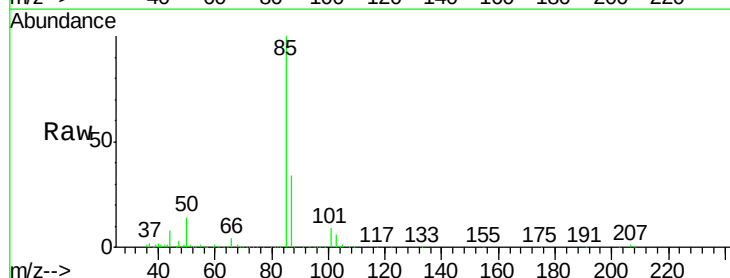
Acq: 17 Apr 2019 19:07

Tgt Ion: 85 Resp: 408258

Ion Ratio Lower Upper

85 100

87 34.4 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

120000

100000

80000

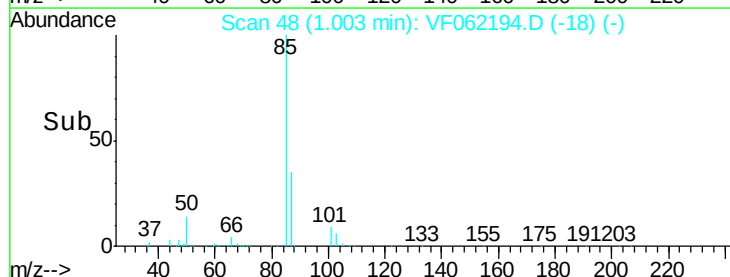
60000

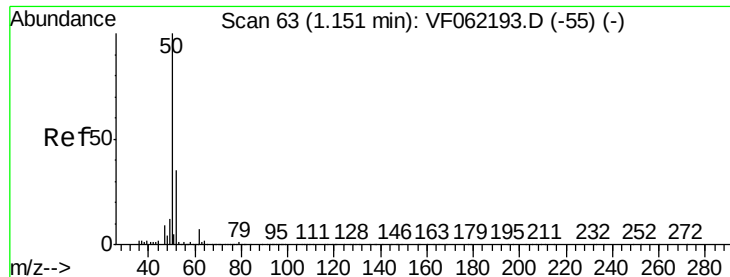
40000

20000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 74.262 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 426208

Ion Ratio Lower Upper

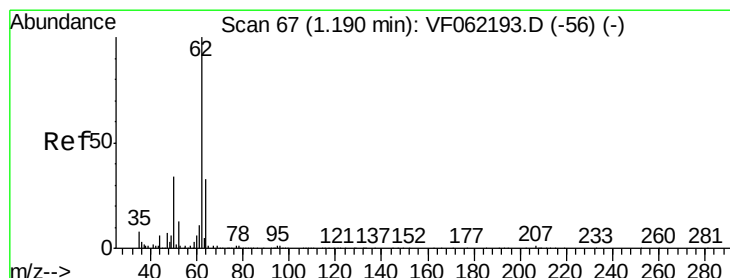
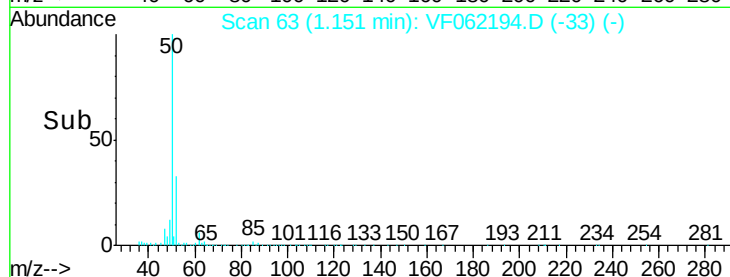
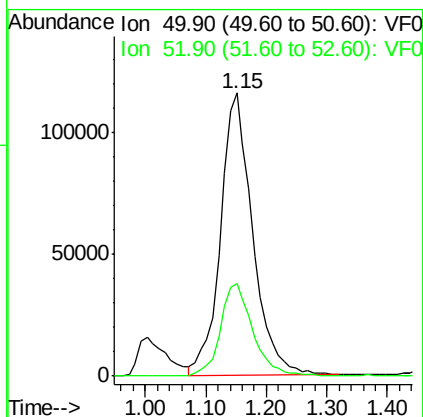
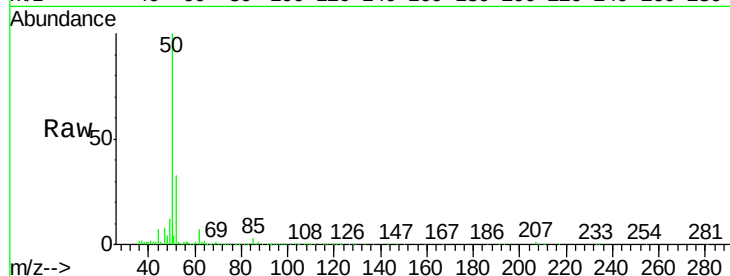
50 100

52 32.5 27.0 40.4

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#4

Vinyl Chloride

Concen: 67.046 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062194.D

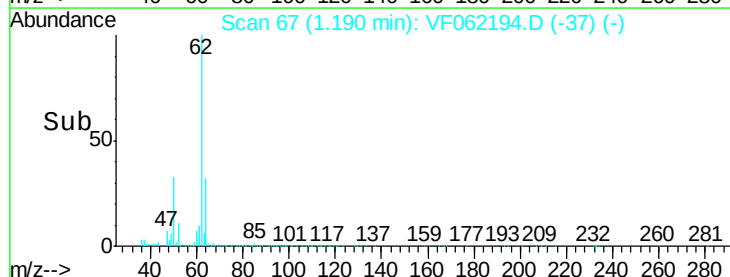
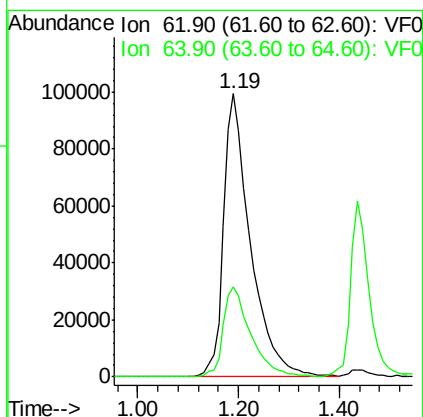
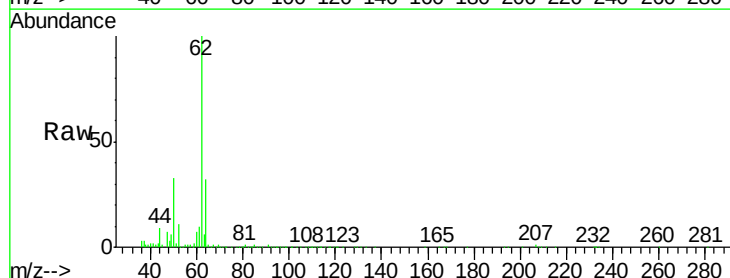
Acq: 17 Apr 2019 19:07

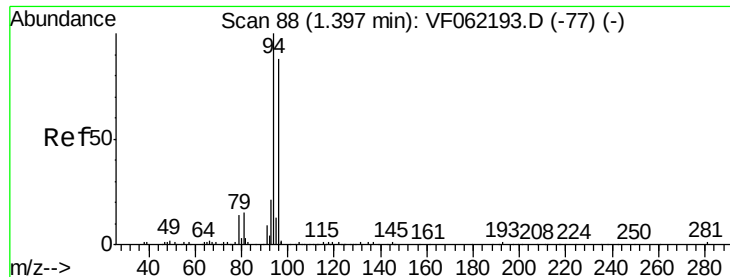
Tgt Ion: 62 Resp: 366001

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4





#5

Bromomethane

Concen: 61.514 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 220969

Ion Ratio Lower Upper

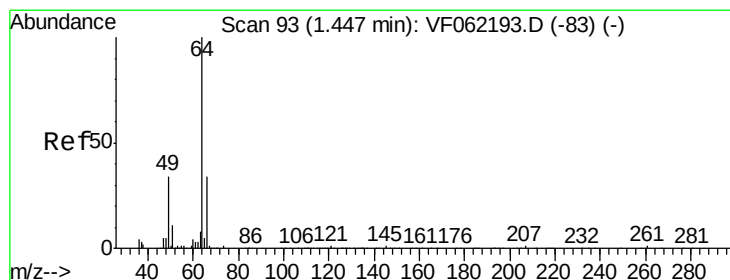
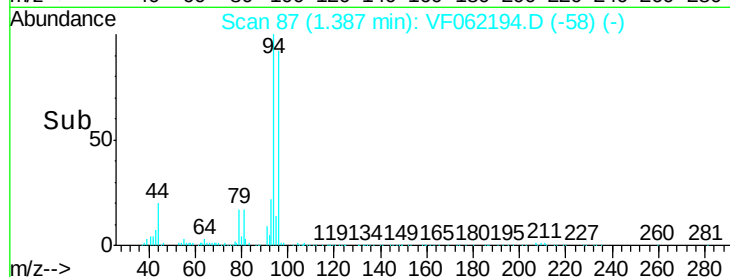
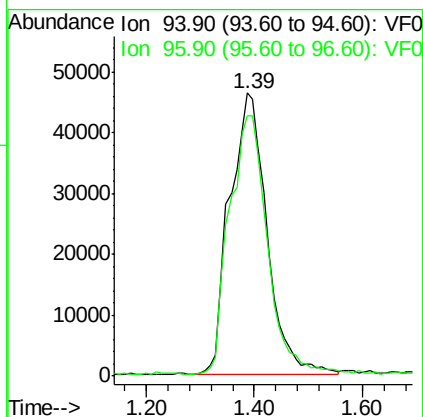
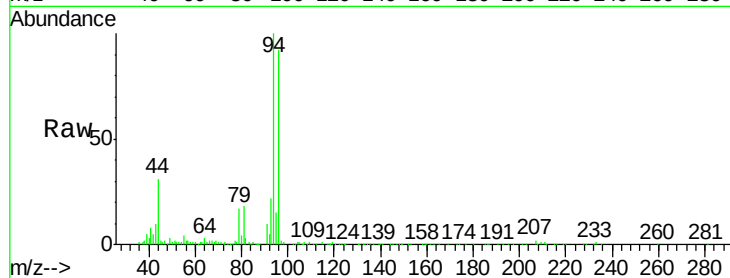
94 100

96 91.7 70.2 105.4

Manual Integrations
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#6

Chloroethane

Concen: 50.757 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062194.D

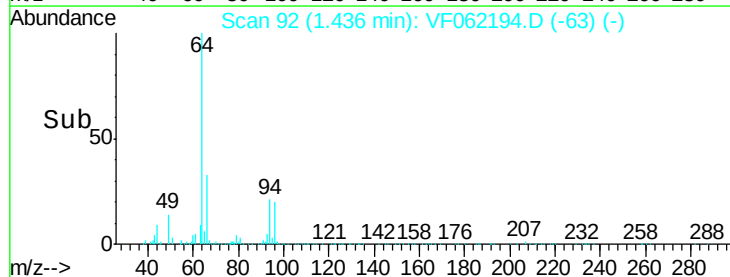
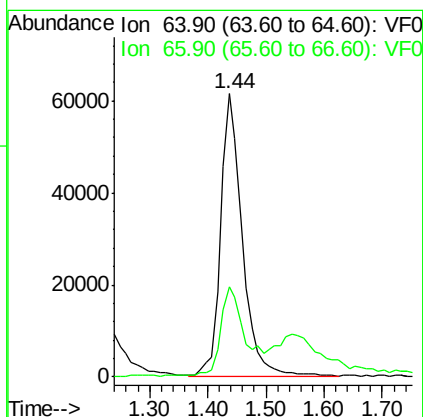
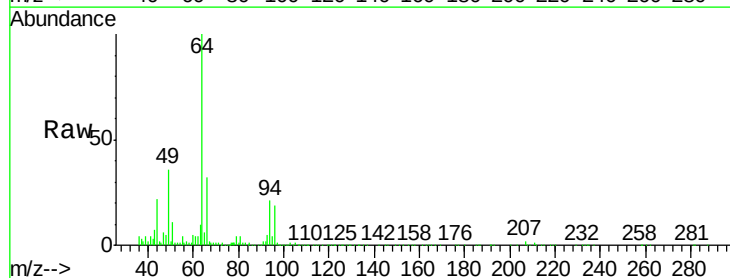
Acq: 17 Apr 2019 19:07

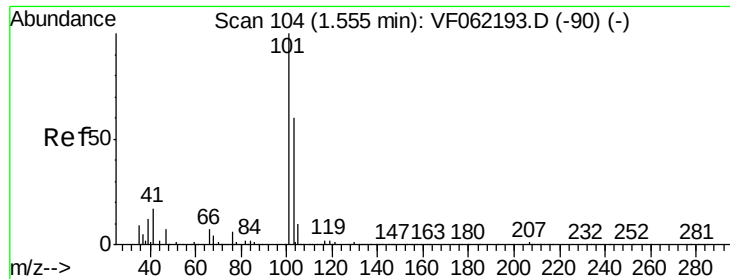
Tgt Ion: 64 Resp: 156405

Ion Ratio Lower Upper

64 100

66 31.6 27.0 40.4





#7

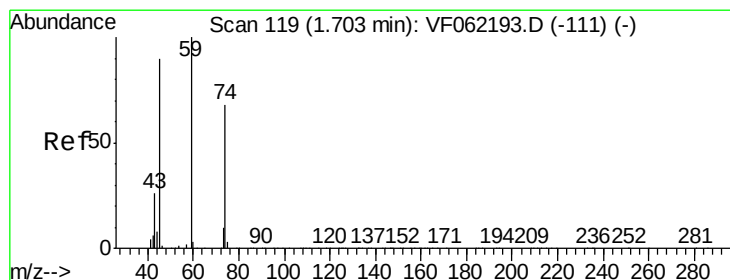
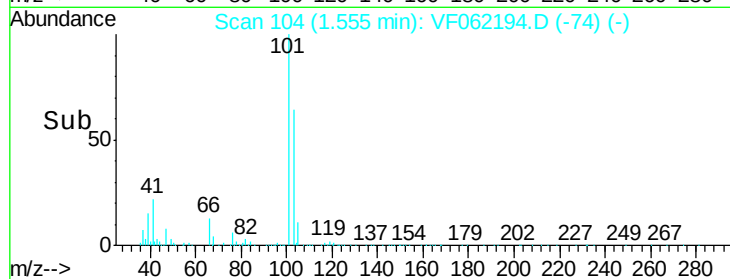
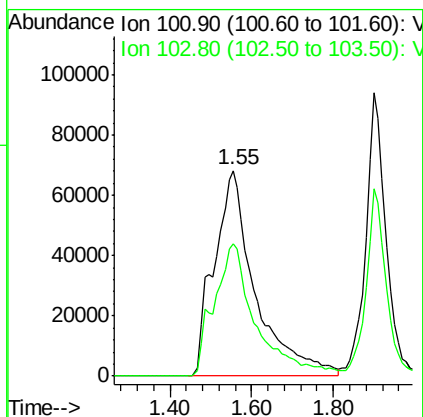
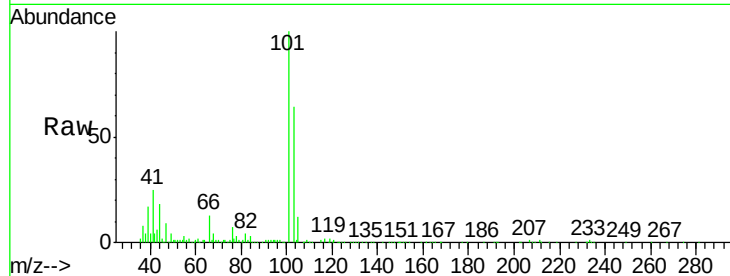
Trichlorofluoromethane
Concen: 73.827 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	48.2	72.4

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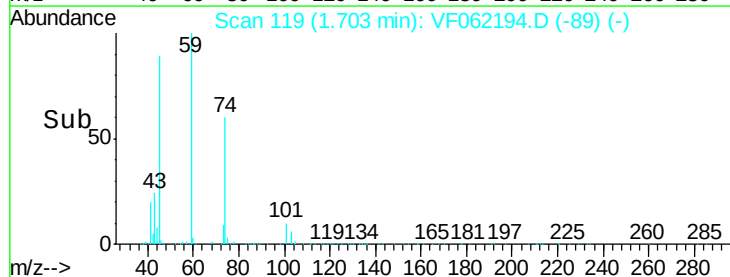
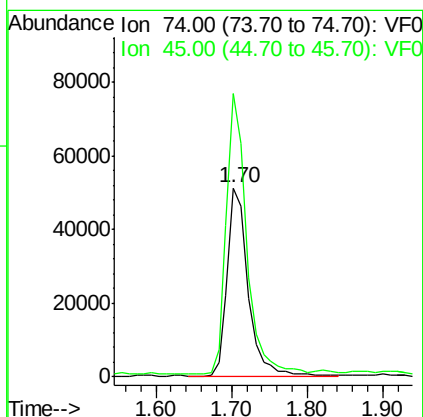
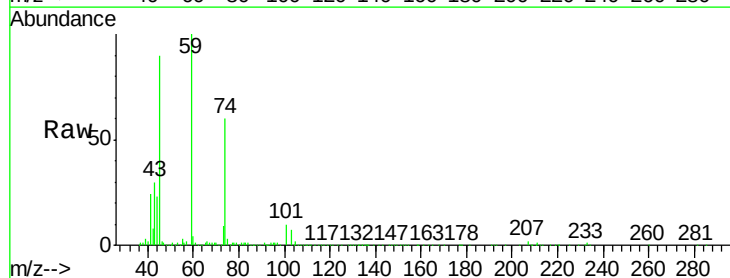
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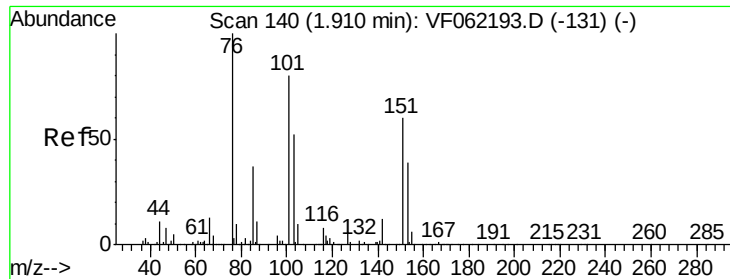


#8

Diethyl Ether
Concen: 36.205 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	145.2	70.0	210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 75.578 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

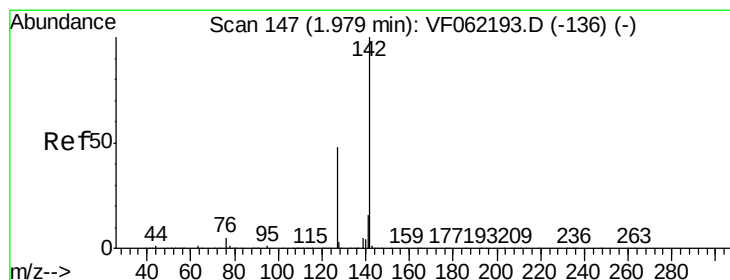
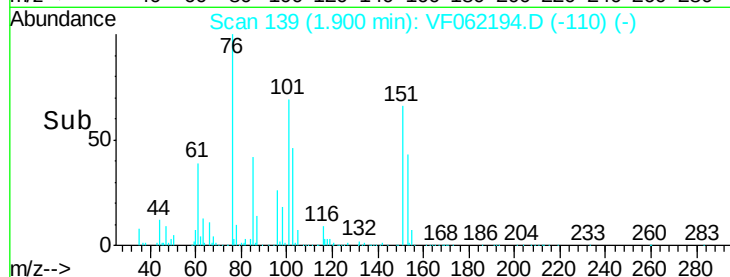
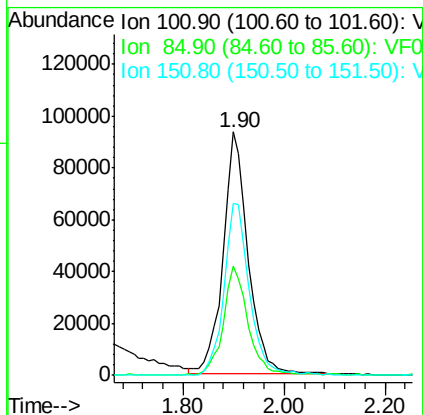
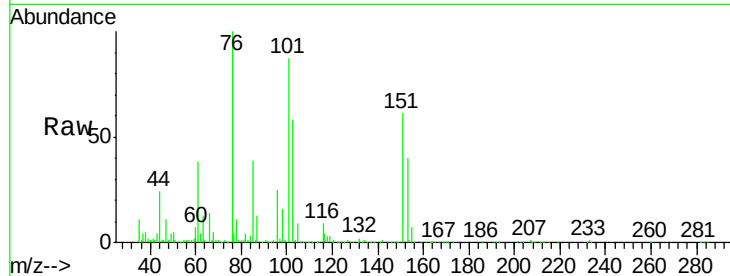
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	317700
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.3	52.9
151	72.4	57.5	86.3

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#10

Methyl Iodide

Concen: 119.838 ug/l

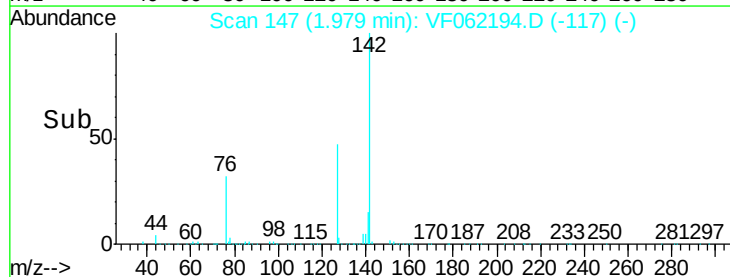
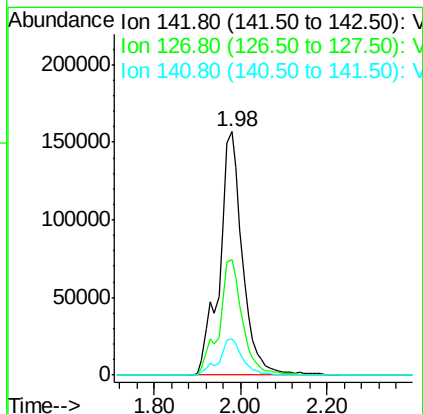
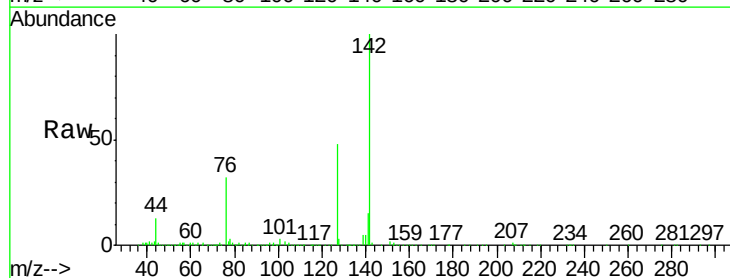
RT: 1.98 min Scan# 147

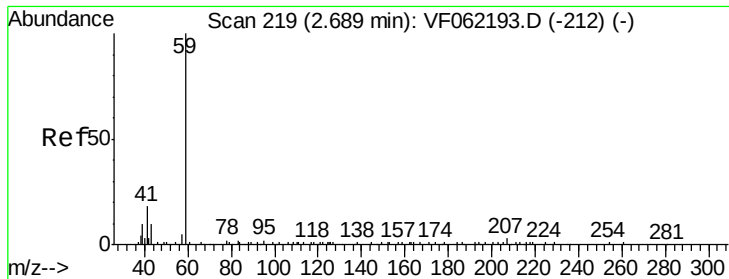
Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion:	142	Resp:	582380
Ion Ratio	Lower	Upper	
142	100		
127	48.2	33.0	49.4
141	15.0	12.7	19.1





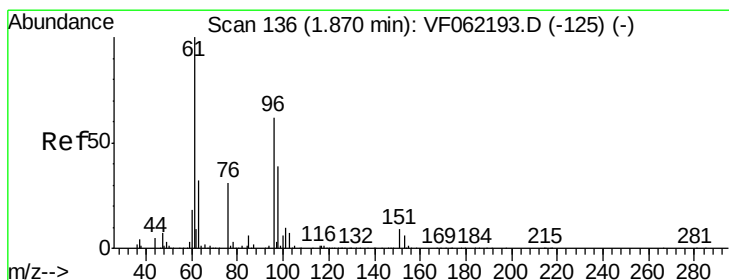
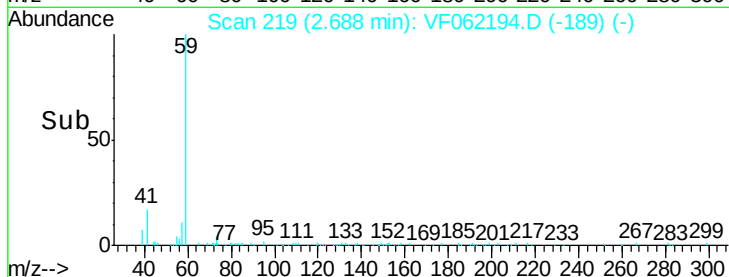
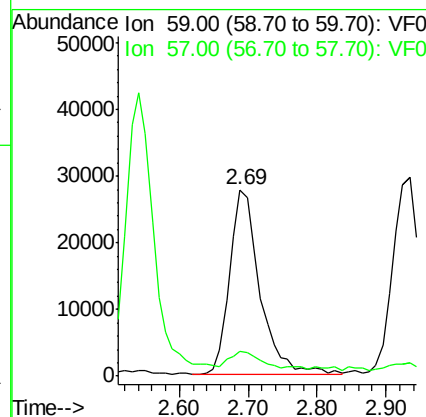
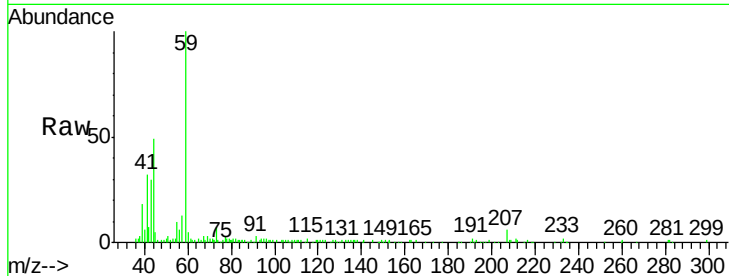
#11
Tert butyl alcohol
Concen: 80.020 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	9.3	13.9#

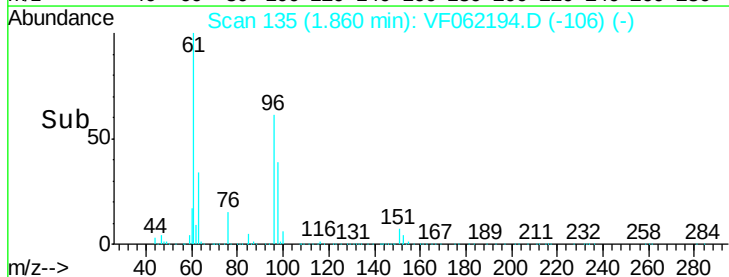
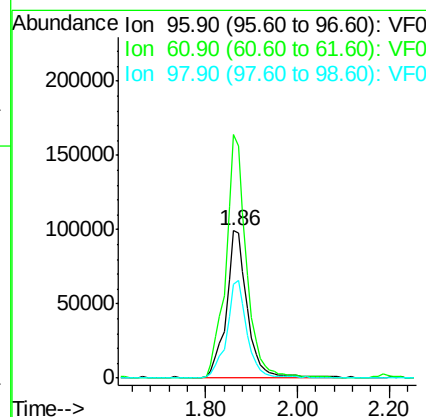
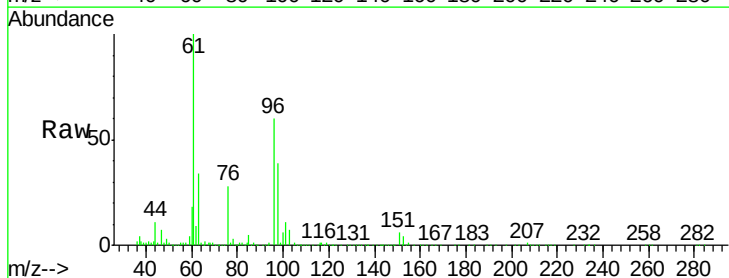
Manual Integrations
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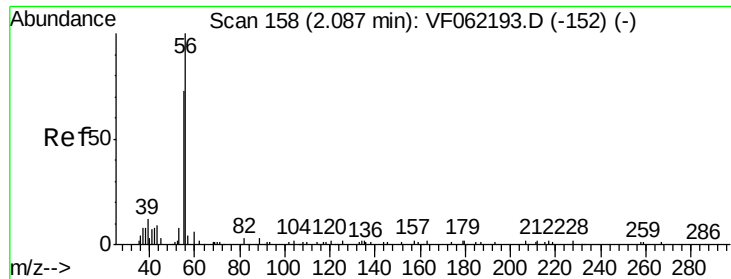
MMDadoda
4/19/2019 10:53:27 AM



#12
1,1-Dichloroethene
Concen: 71.565 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	129.1	193.7
98	64.3	50.0	75.0





#13

Acrolein

Concen: 49.510 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 43480

Ion Ratio Lower Upper

56 100

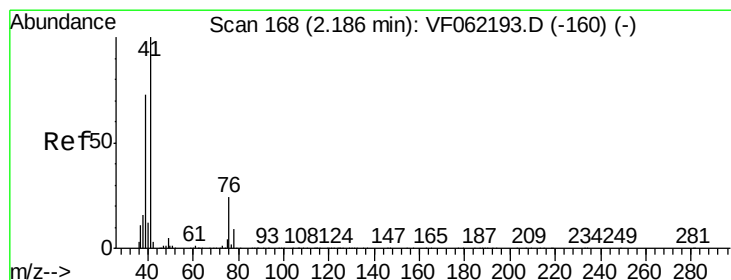
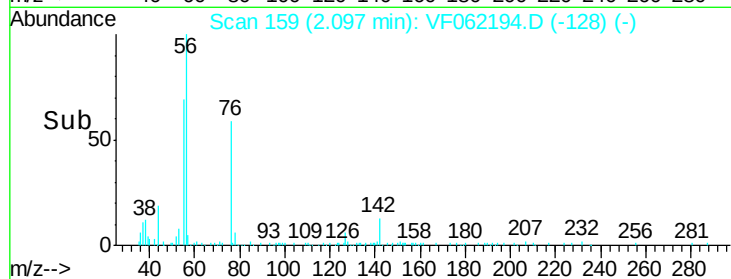
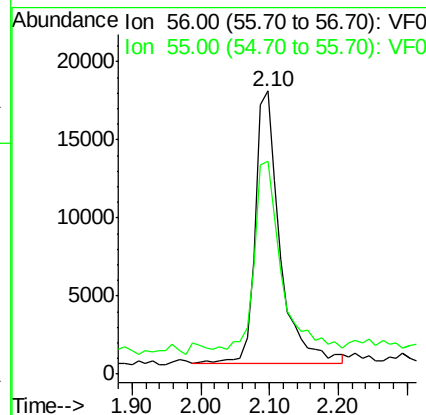
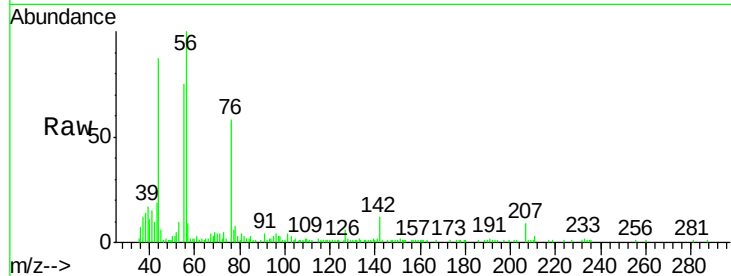
55 73.9 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 39.899 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

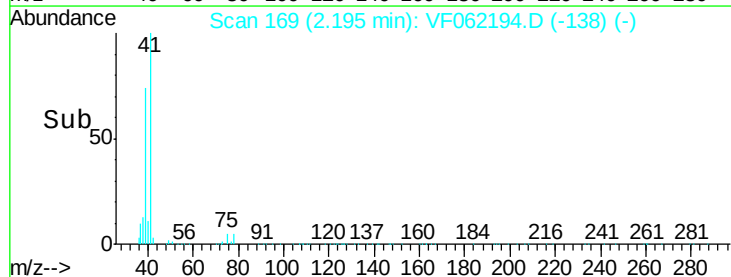
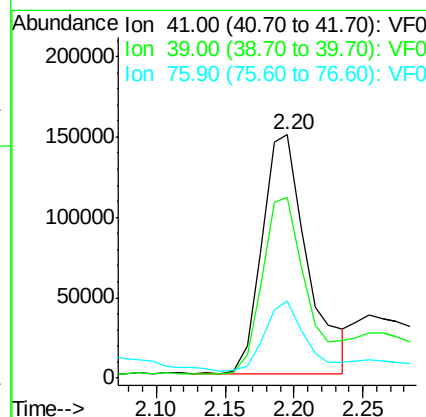
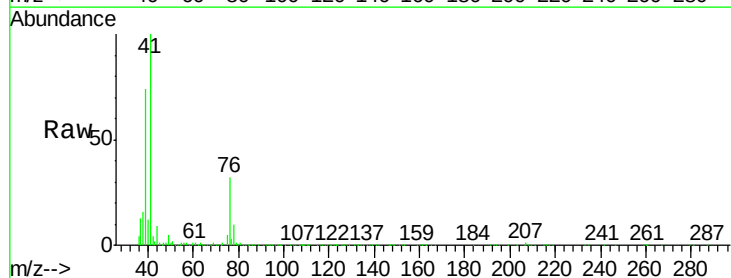
Tgt Ion: 41 Resp: 341777

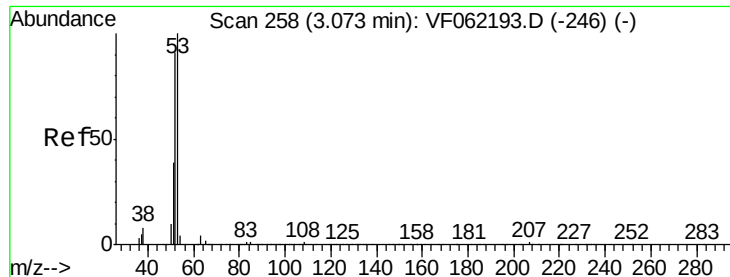
Ion Ratio Lower Upper

41 100

39 73.2 60.0 90.0

76 25.7 20.6 30.8





#15

Acrylonitrile

Concen: 88.299 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

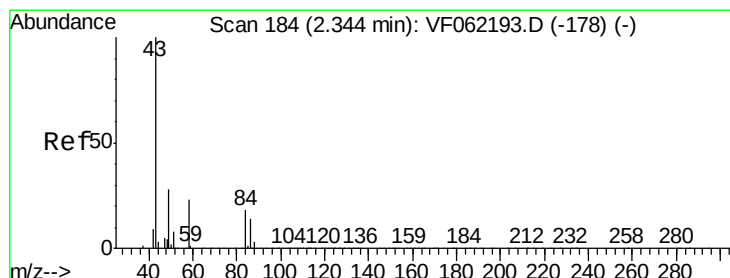
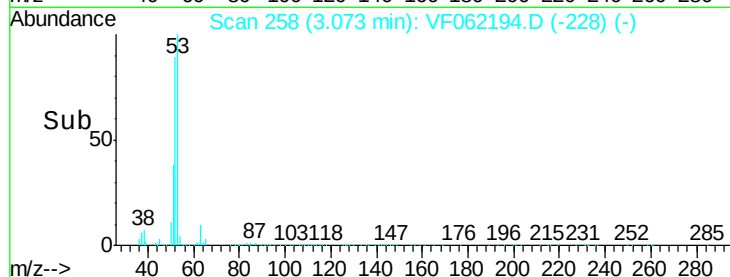
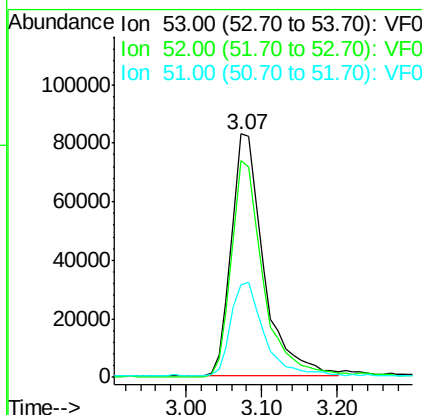
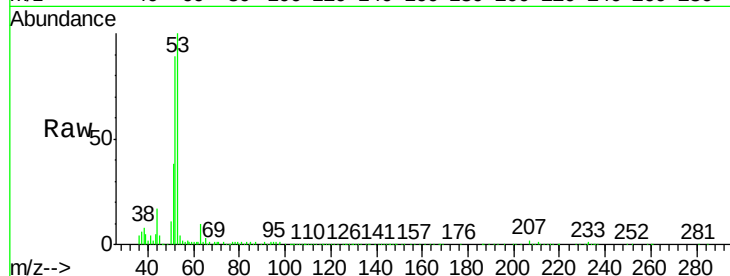
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	245092
Ion Ratio		Lower	Upper
53	100		
52	88.9	69.5	104.3
51	38.5	31.8	47.8

Manual Integrations
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#16

Acetone

Concen: 117.562 ug/l

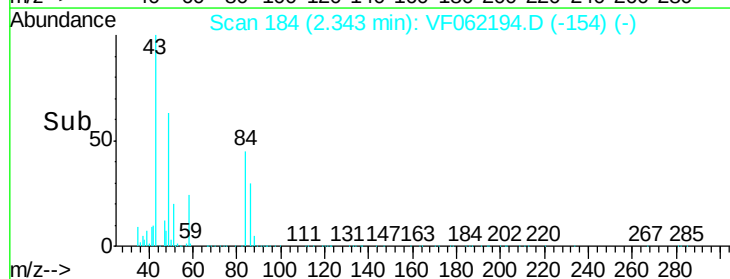
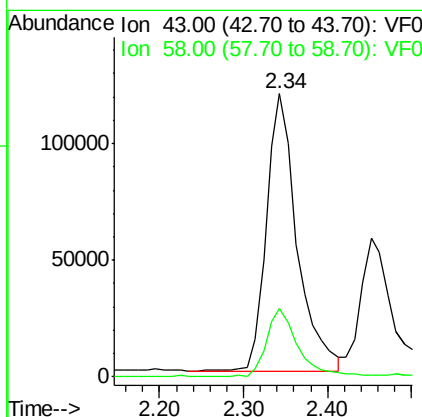
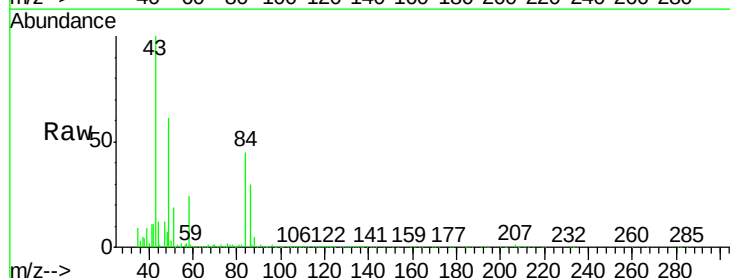
RT: 2.34 min Scan# 184

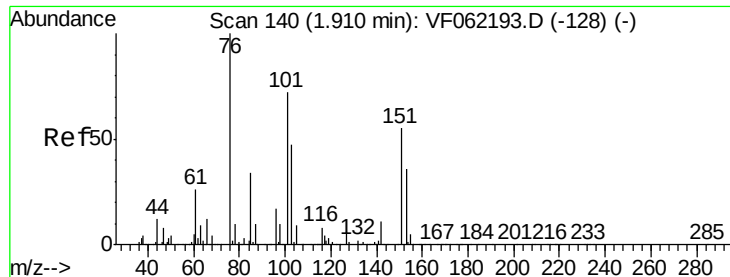
Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion:	43	Resp:	302775
Ion Ratio		Lower	Upper
43	100		
58	24.4	18.8	28.2





#17

Carbon Disulfide

Concen: 66.197 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 882649

Ion Ratio Lower Upper

76 100

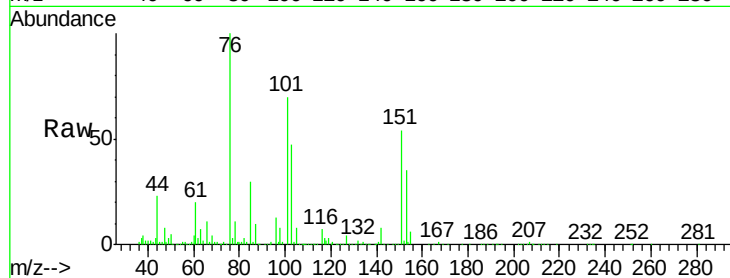
78 11.0 8.7 13.1

Manual Integrations

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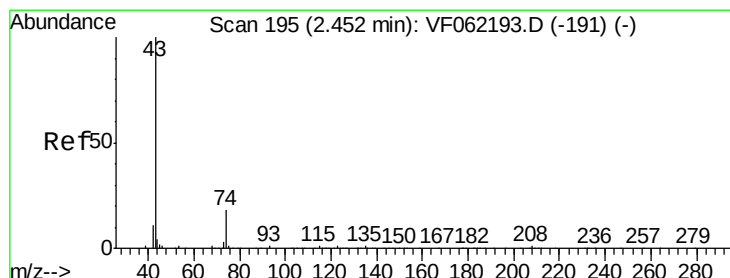
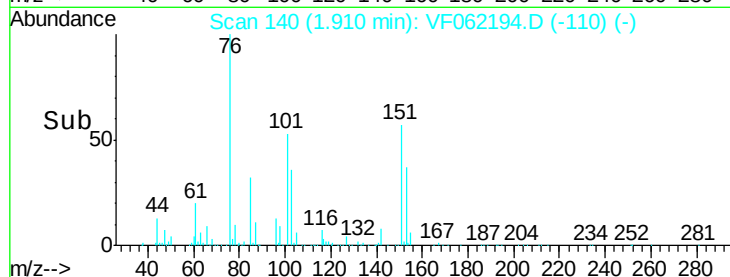
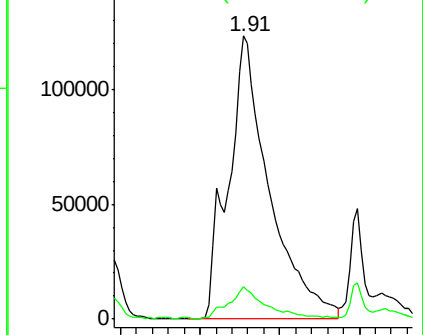
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 20.296 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF062194.D

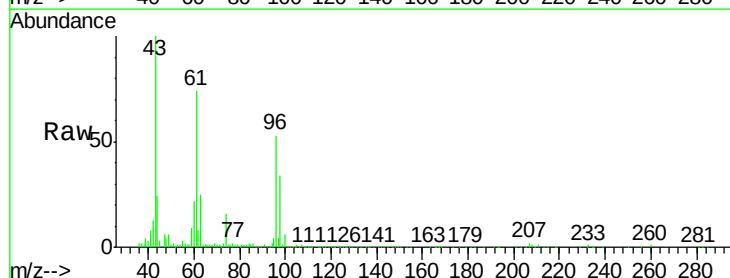
Acq: 17 Apr 2019 19:07

Tgt Ion: 43 Resp: 131359

Ion Ratio Lower Upper

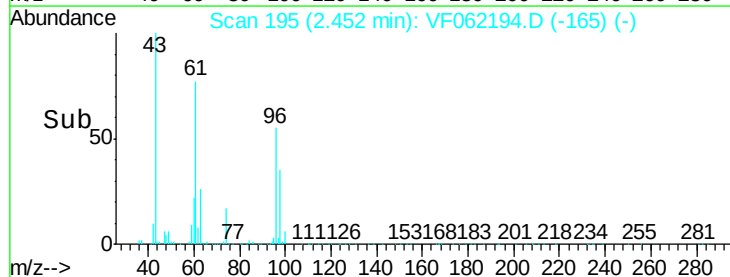
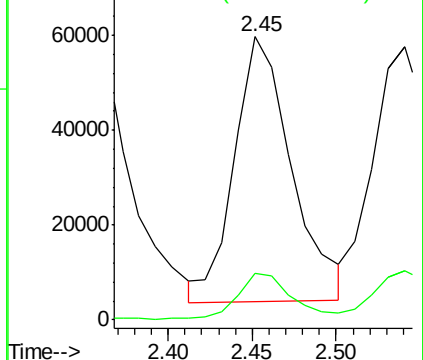
43 100

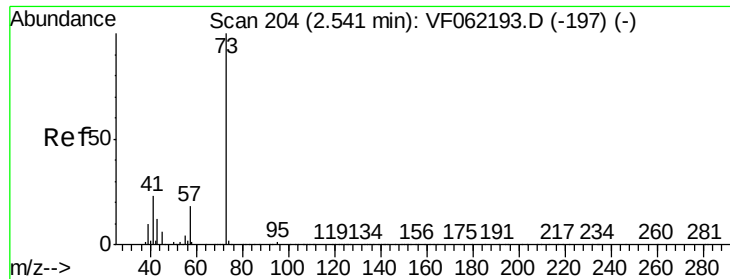
74 16.7 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

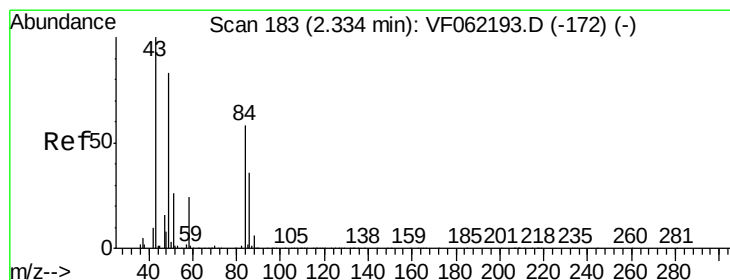
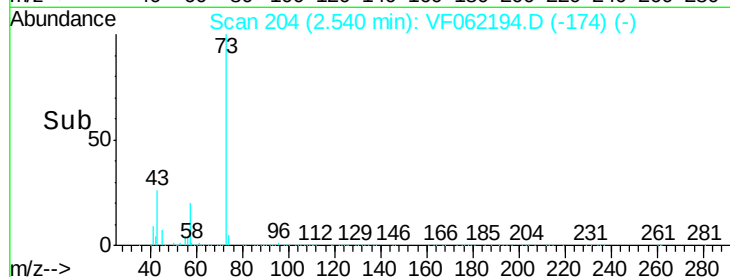
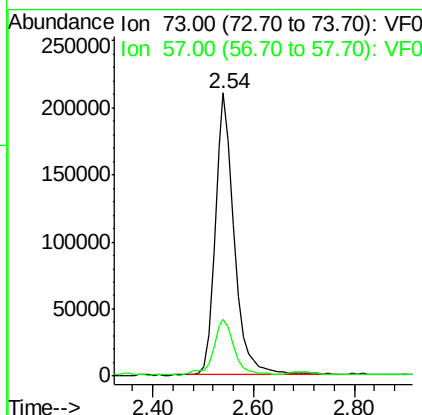
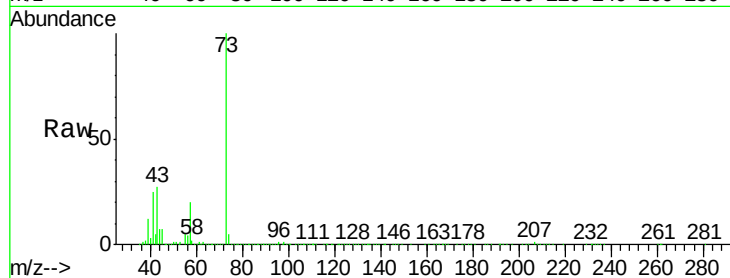
Methyl tert-butyl Ether
 Concen: 39.806 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	15.1	22.7

Manual Integrations
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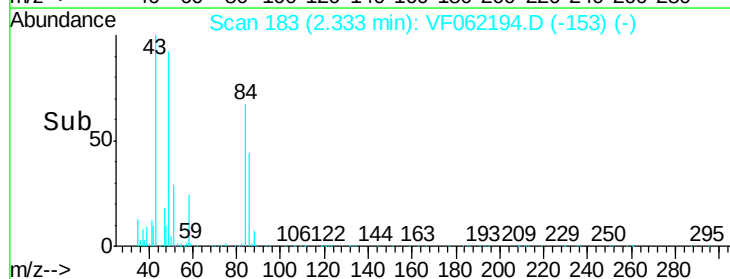
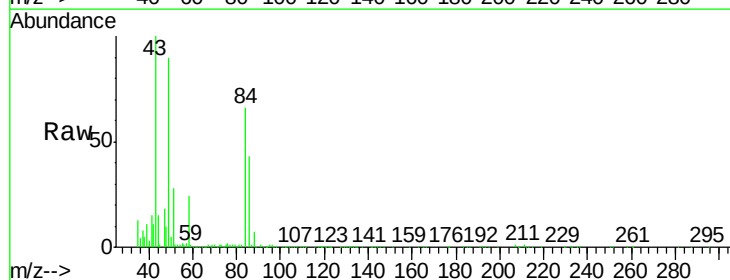
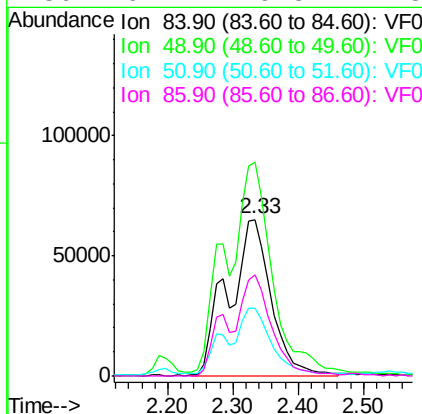
MMDadoda
 4/19/2019 10:53:27 AM

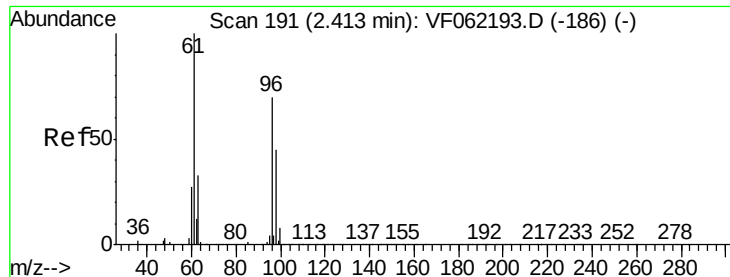


#20

Methylene Chloride
 Concen: 60.448 ug/l m
 RT: 2.33 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	114.0	171.0
51	43.2	37.0	55.4
86	64.7	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 65.982 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062194.D

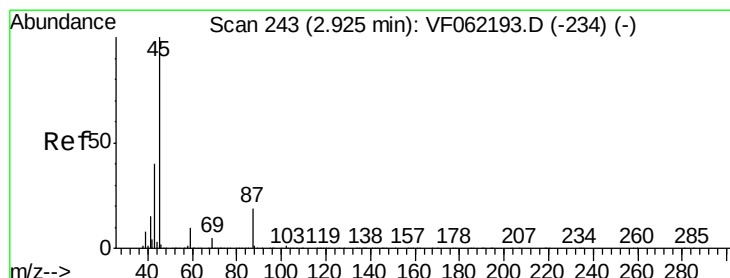
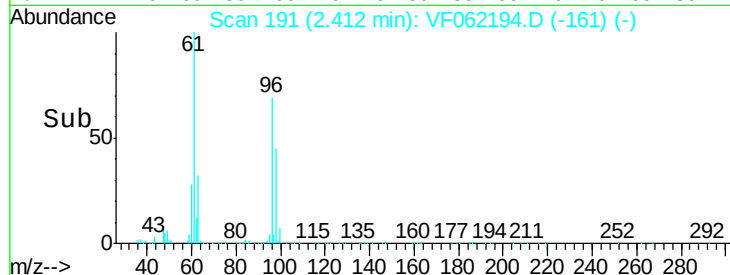
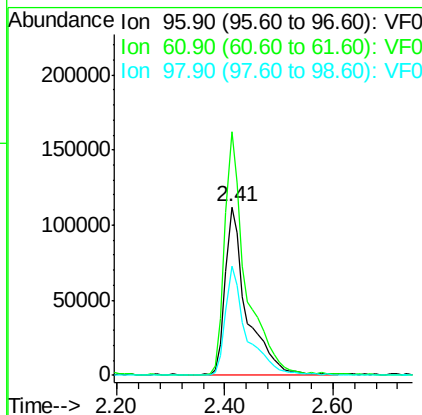
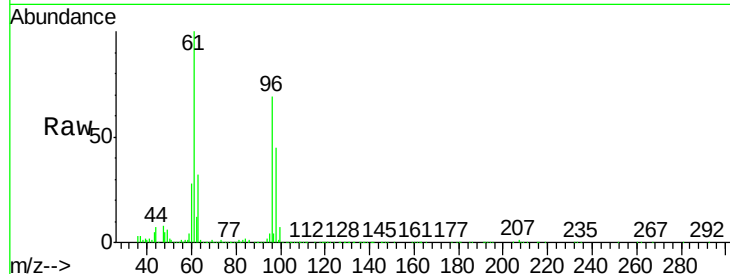
Acq: 17 Apr 2019 19:07

Tot Ion:	96	Resp:	301211
Ion Ratio	Lower	Upper	
96	100		
61	144.9	114.6	172.0
98	65.2	51.2	76.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.514 ug/l

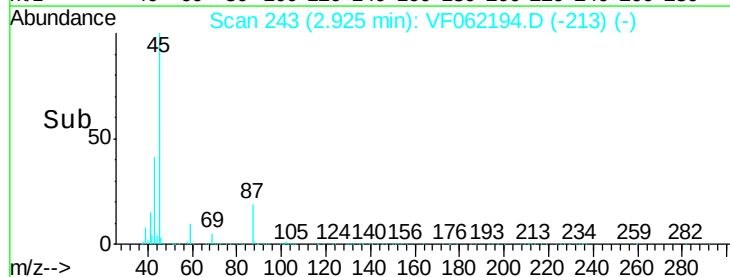
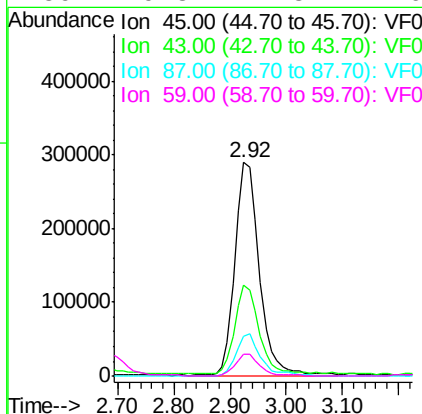
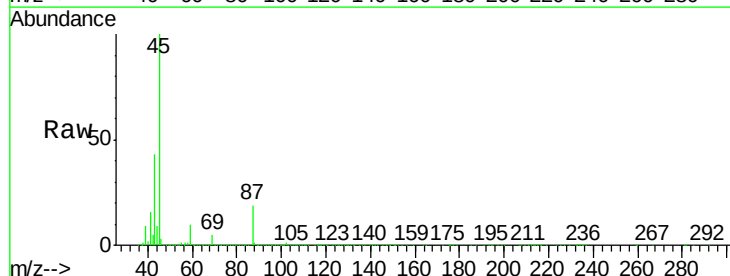
RT: 2.92 min Scan# 243

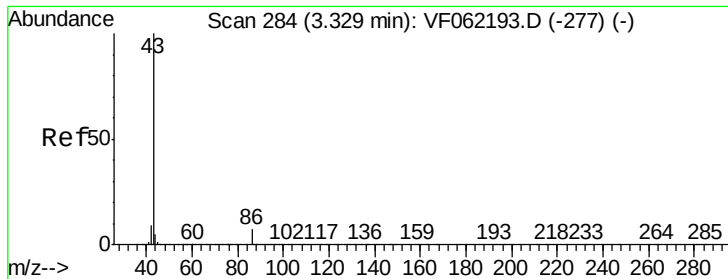
Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion:	45	Resp:	872696
Ion Ratio	Lower	Upper	
45	100		
43	41.8	32.8	49.2
87	18.7	15.2	22.8
59	9.8	7.8	11.6





#23

Vinyl Acetate

Concen: 150.410 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tot Ion: 43 Resp: 2153967

Ion Ratio Lower Upper

43 100

86 7.7 5.9 8.9

Instrument :

MSVOA_F

ClientSampleId :

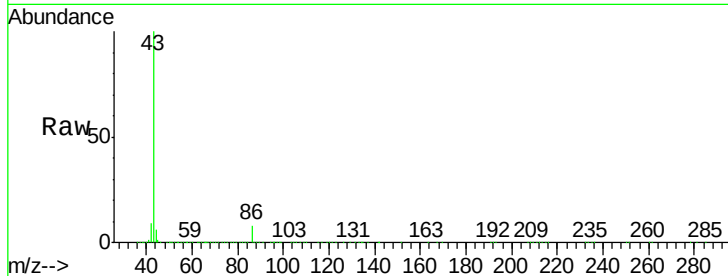
VSTDIC075

Manual Integrations

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4/19/2019 10:53:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

800000

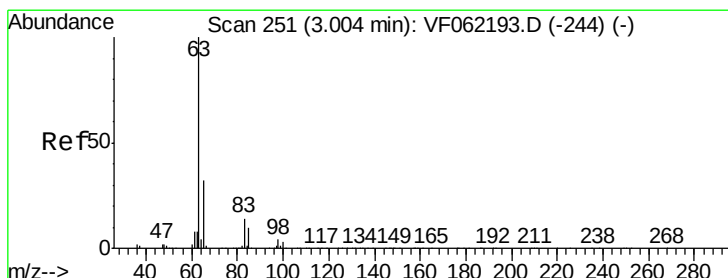
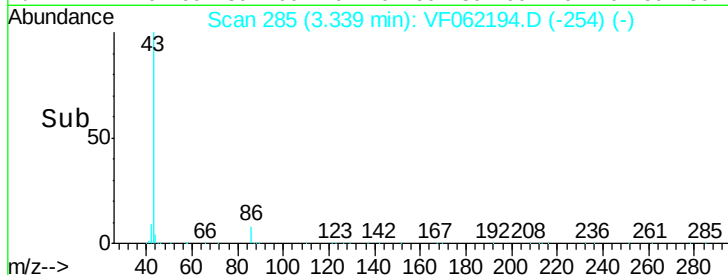
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 57.345 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

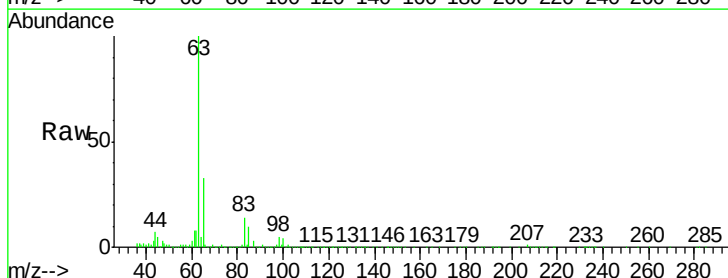
Tgt Ion: 63 Resp: 502124

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.8

100 3.6 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

250000

200000

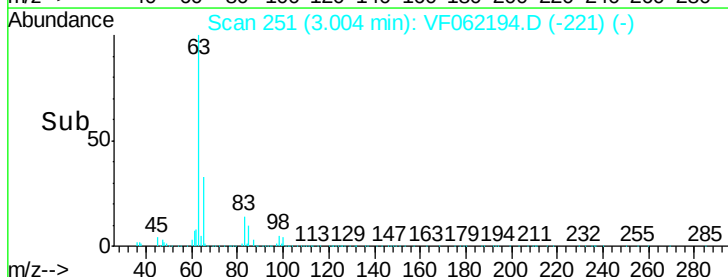
150000

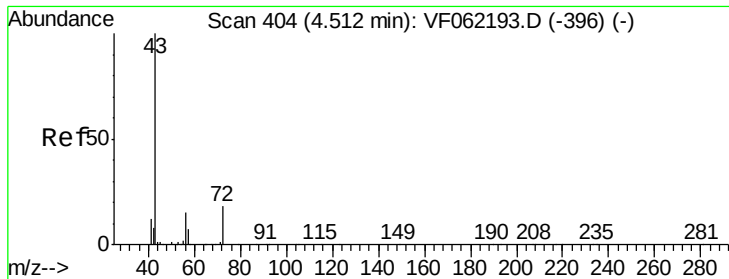
100000

50000

0

Time-->





#25

2-Butanone

Concen: 145.776 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tot Ion: 43 Resp: 606910

Ion Ratio Lower Upper

43 100

72 20.4 16.1 24.1

Instrument :

MSVOA_F

ClientSampleId :

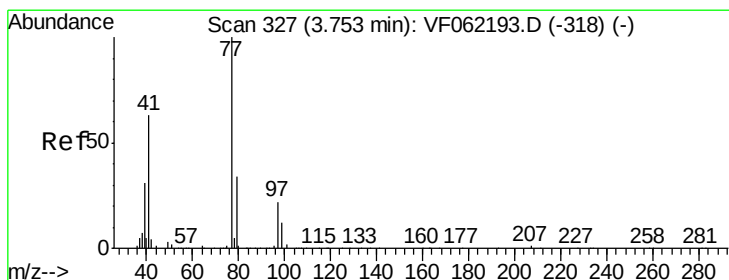
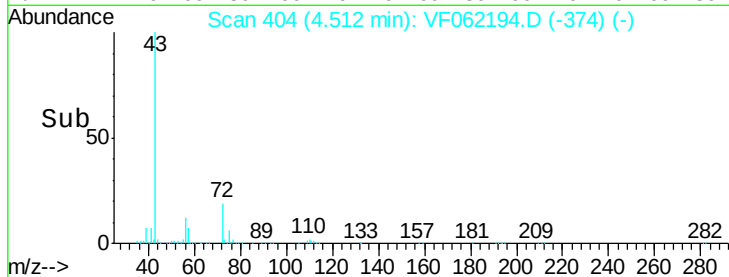
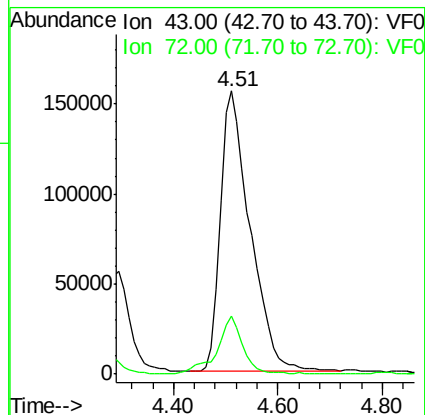
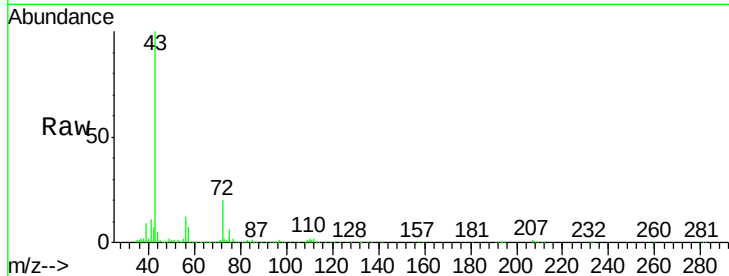
VSTDIC075

Manual Integrations

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4/19/2019 10:53:27 AM



#26

2,2-Dichloropropane

Concen: 37.575 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062194.D

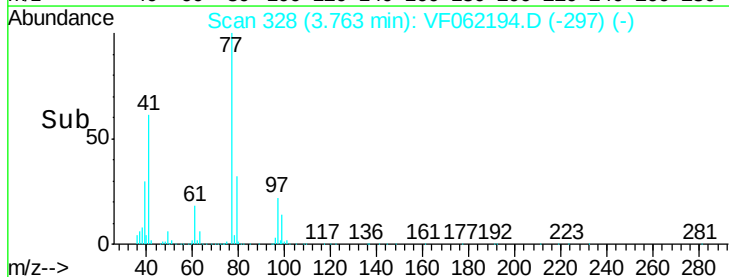
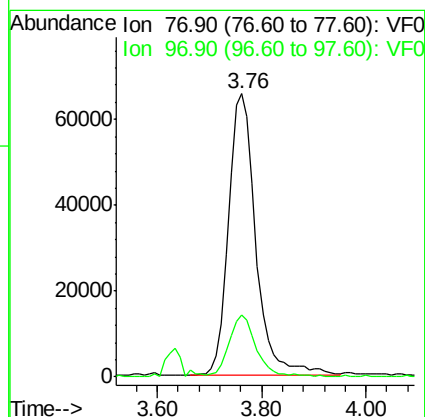
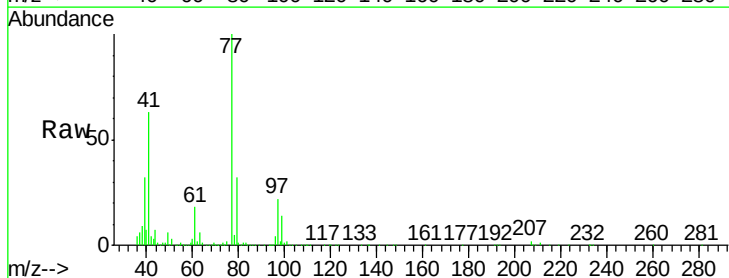
Acq: 17 Apr 2019 19:07

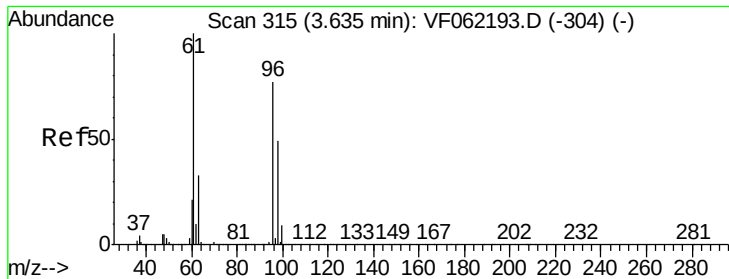
Tgt Ion: 77 Resp: 235555

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.3





#27

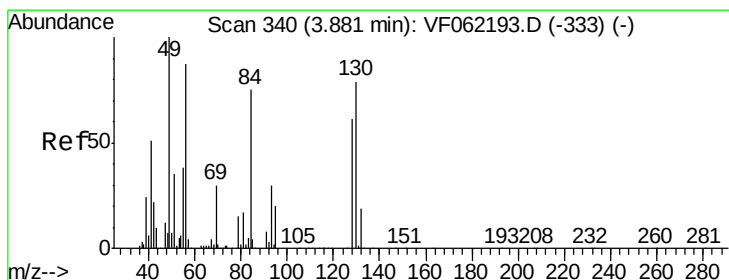
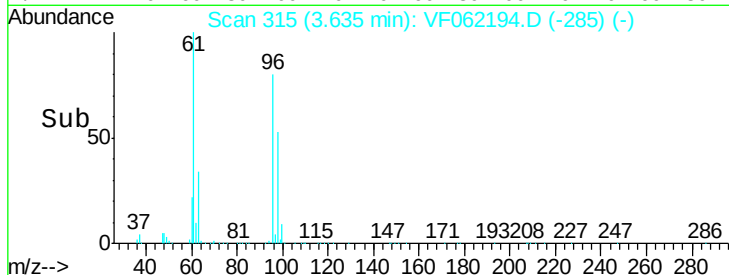
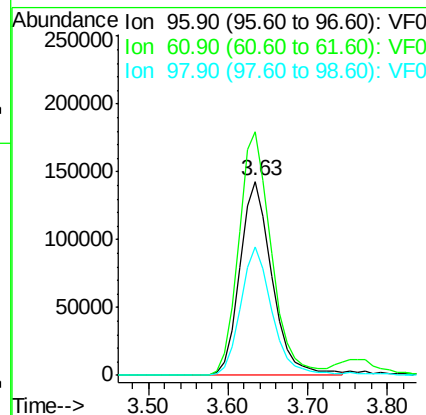
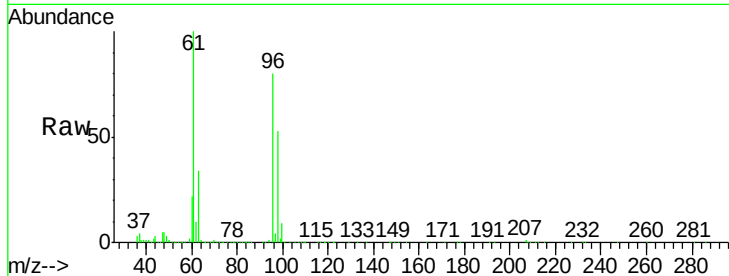
cis-1,2-Dichloroethene
Concen: 75.072 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	398565		
61	127.2		0.0	253.6
98	64.4		0.0	124.8

Manual Integrations
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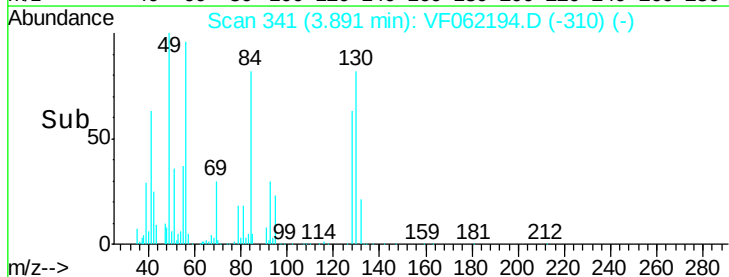
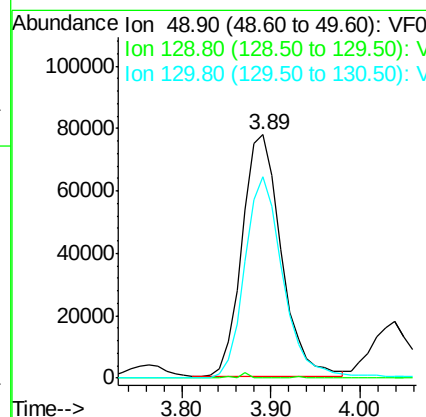
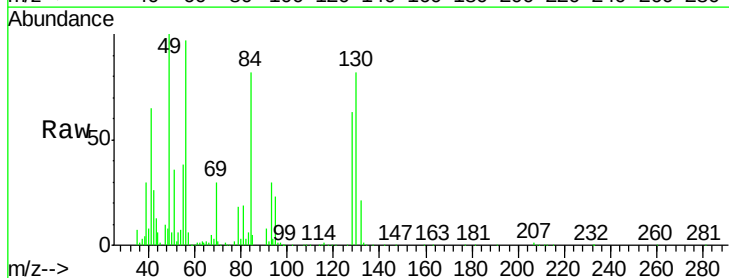
MMDadoda
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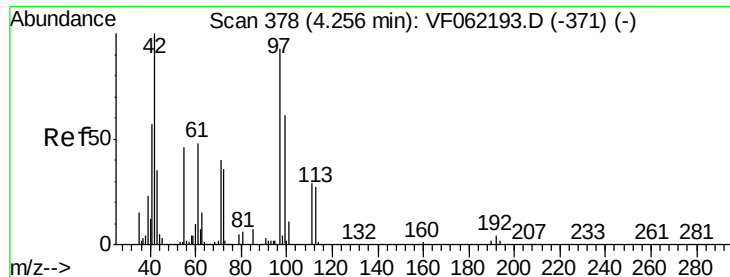


#28

Bromochloromethane
Concen: 57.870 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	236919		
129	0.5		0.0	0.0#
130	82.1		66.6	100.0





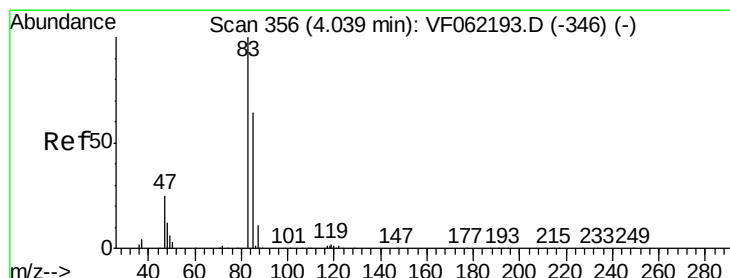
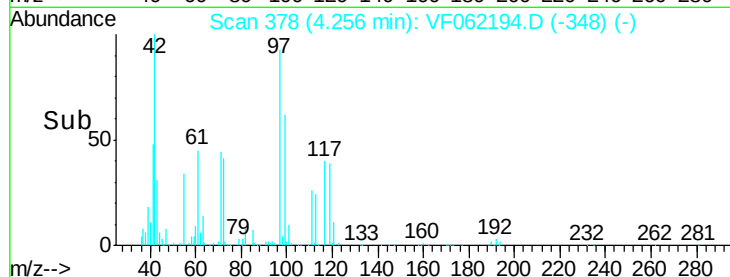
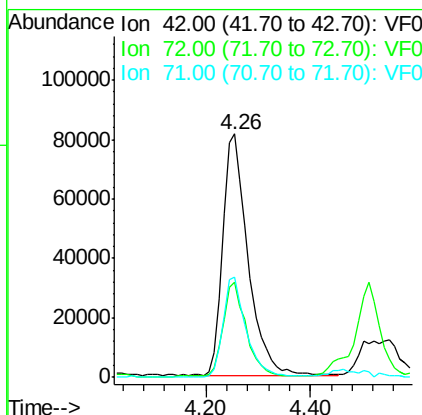
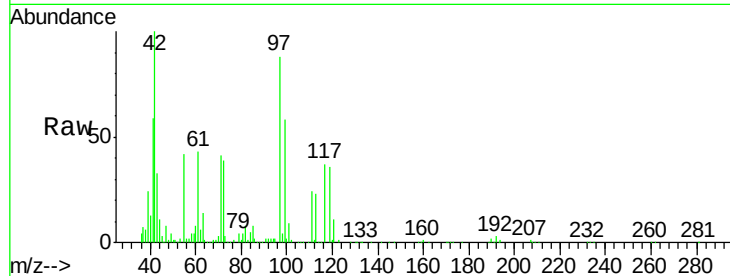
#29
Tetrahydrofuran
Concen: 98.692 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.6	43.0
71	38.0	29.2	43.8

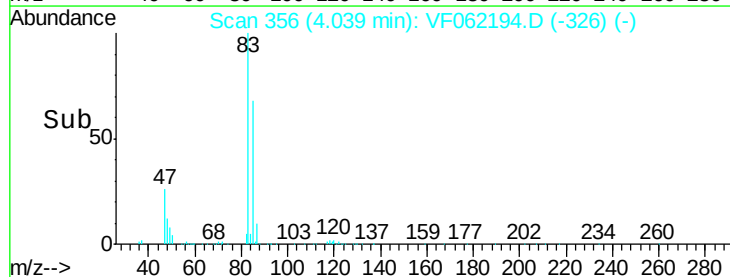
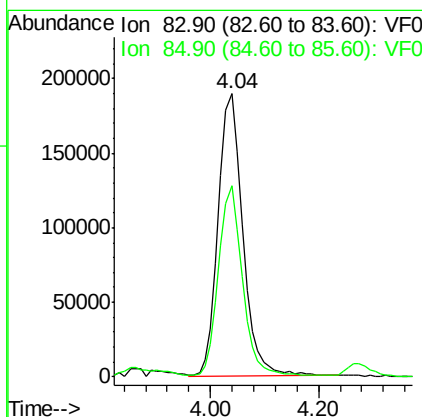
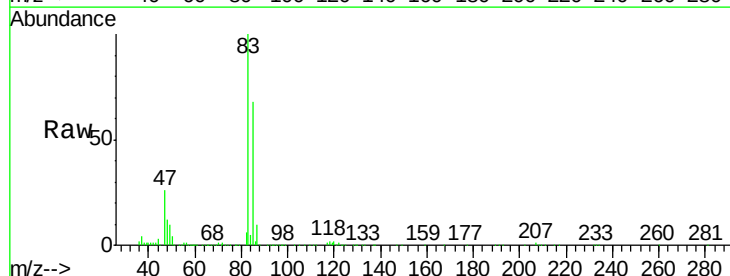
Manual Integrations
APPROVED

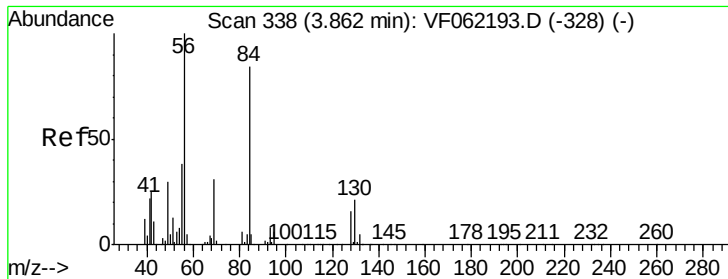
MMDadoda
4/19/2019 10:53:27 AM



#30
Chloroform
Concen: 72.549 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.8	77.8





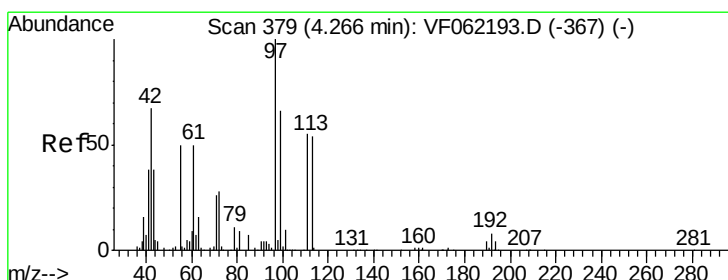
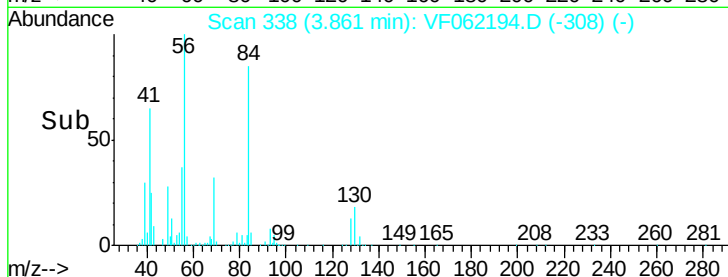
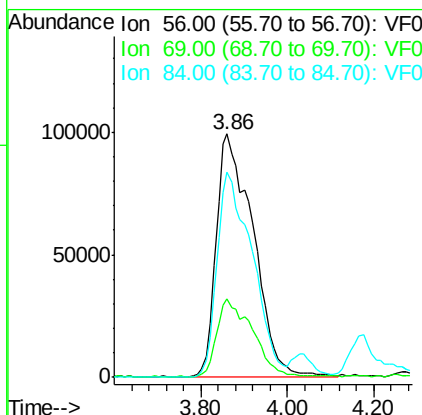
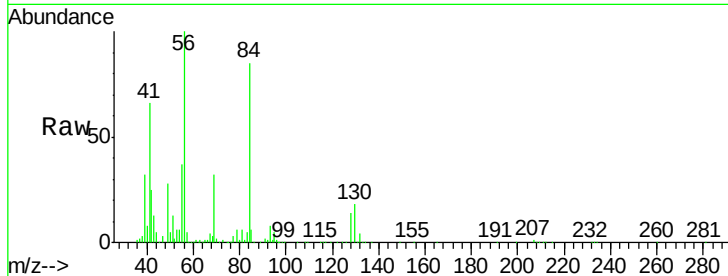
#31
Cyclohexane
Concen: 65.526 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.1	37.7
84	84.5	67.8	101.6

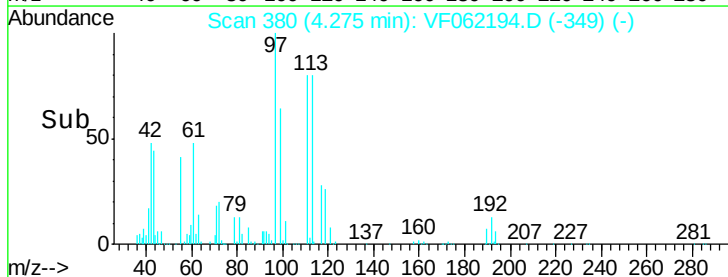
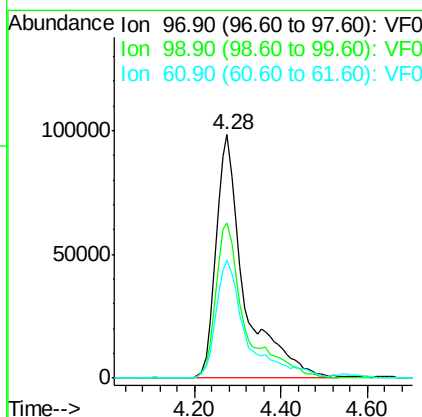
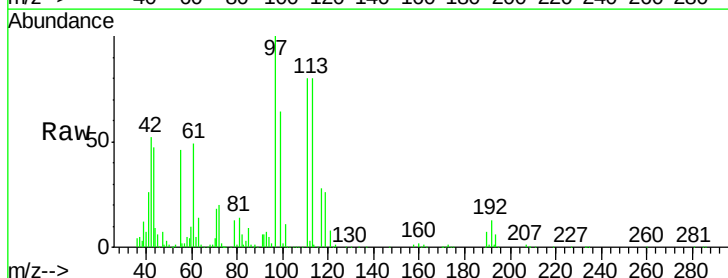
Manual Integrations
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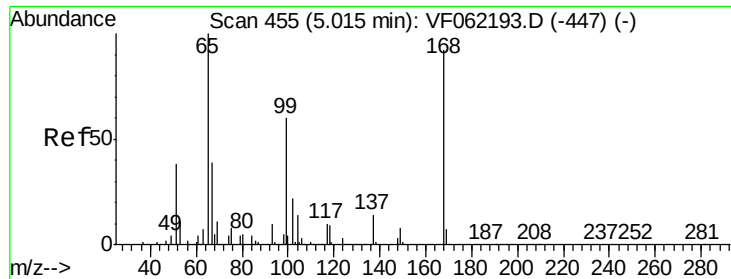
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4/19/2019 10:53:27 AM



#32
1,1,1-Trichloroethane
Concen: 68.962 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.7	79.1
61	49.5	53.0	79.4#





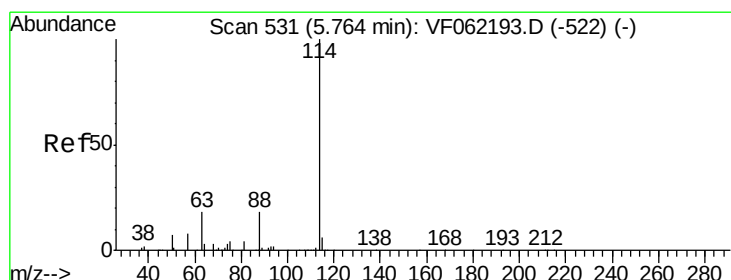
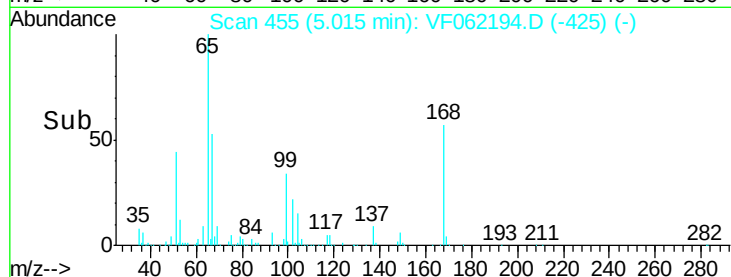
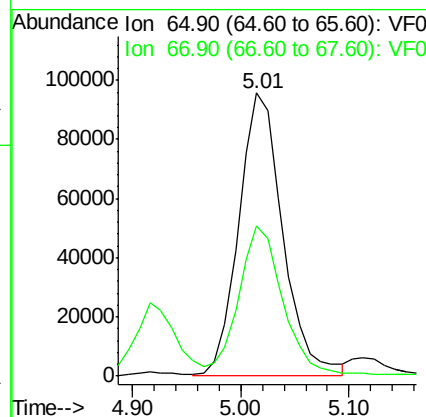
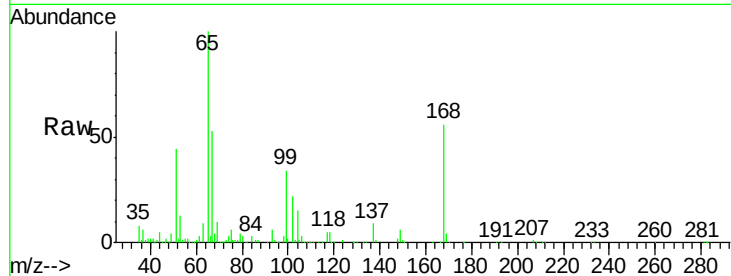
#33
 1,2-Dichloroethane-d4
 Concen: 51.002 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	269773		
67	52.4	0.0	109.4	

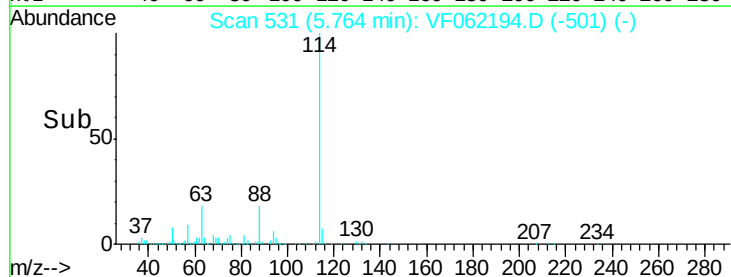
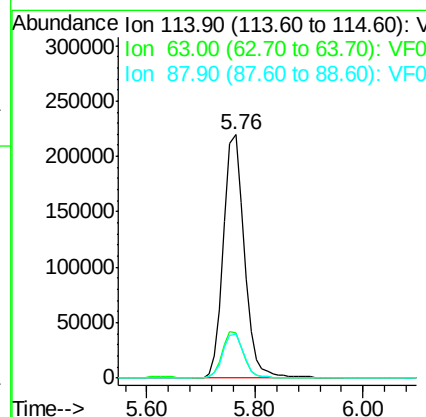
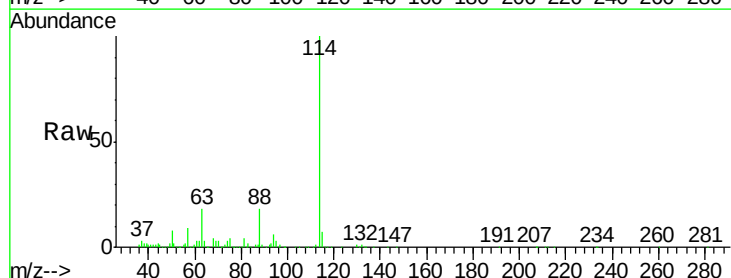
Manual Integrations
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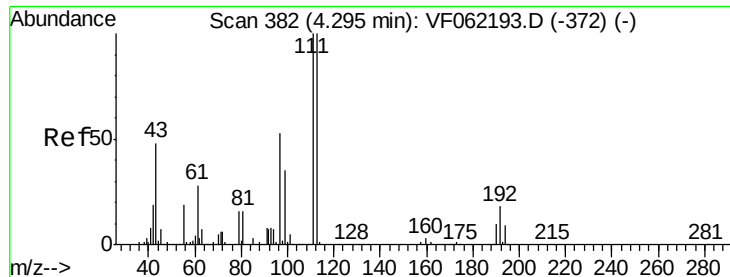
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	592015		
63	18.4	0.0	36.6	
88	17.8	0.0	35.8	





#35

Dibromofluoromethane

Concen: 87.793 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

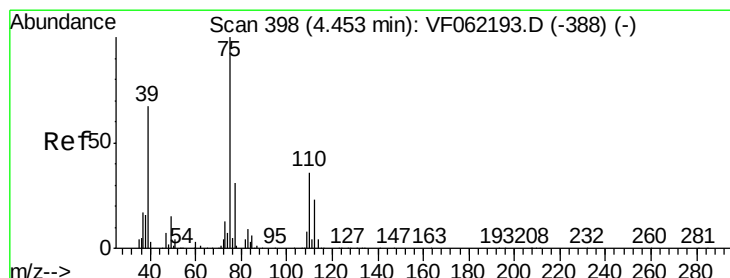
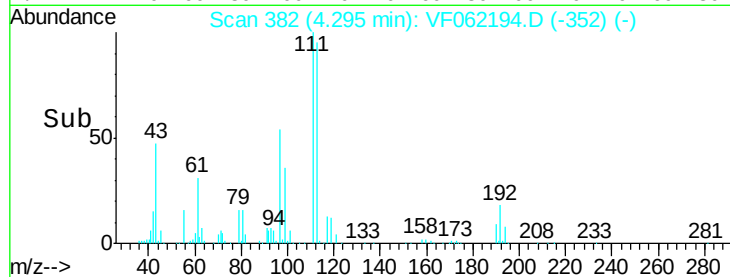
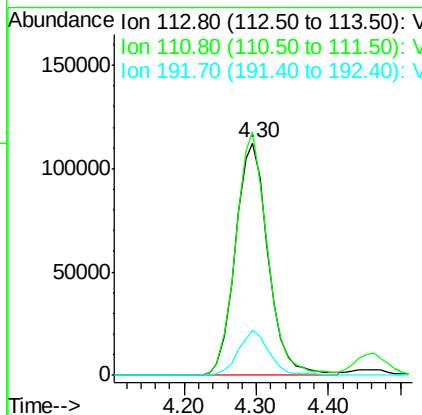
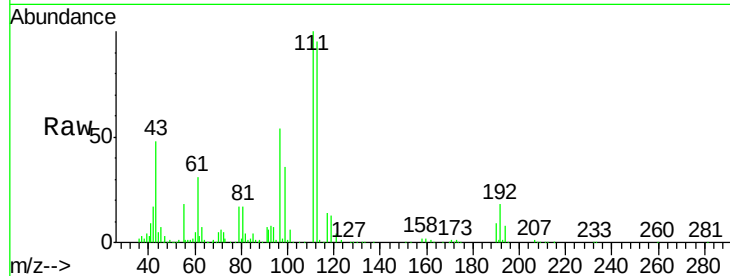
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	356446
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.1	121.7
192	18.5	14.7	22.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 75.563 ug/l

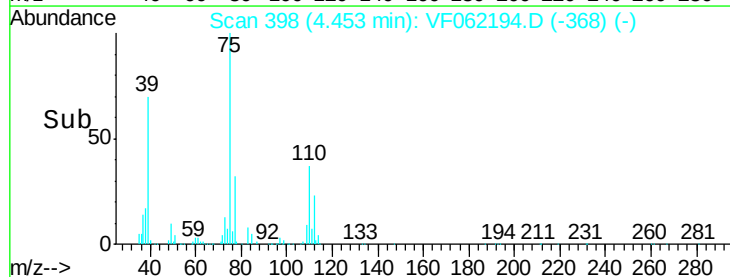
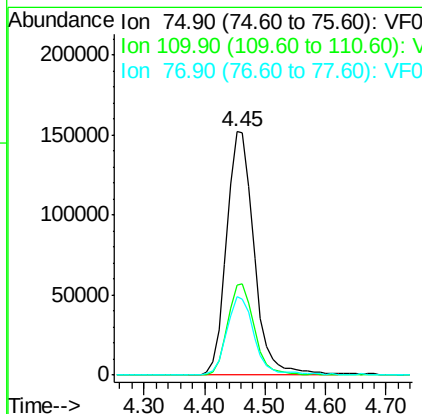
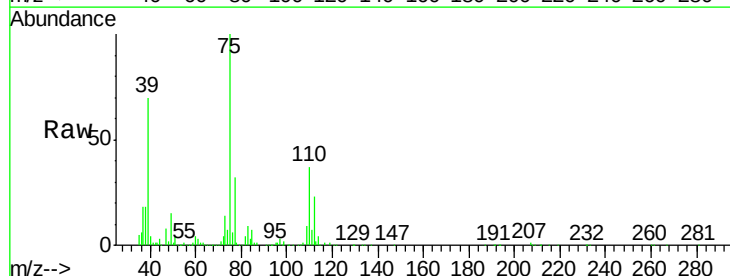
RT: 4.45 min Scan# 398

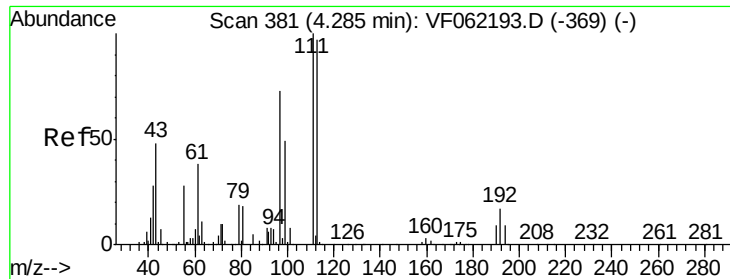
Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion:	75	Resp:	479606
Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.4	55.2
77	31.7	25.4	38.2





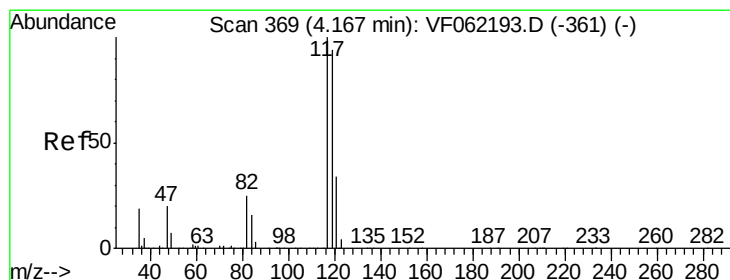
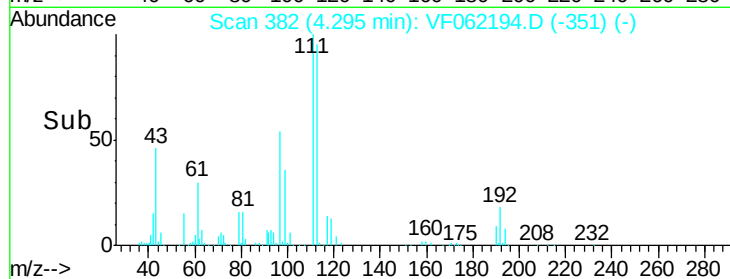
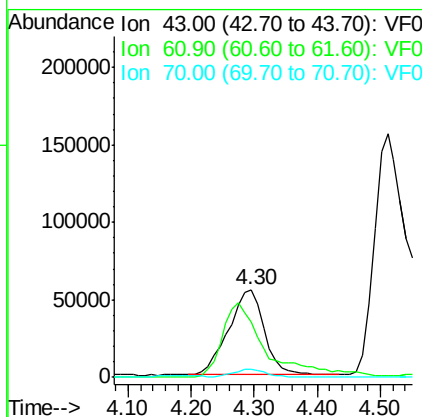
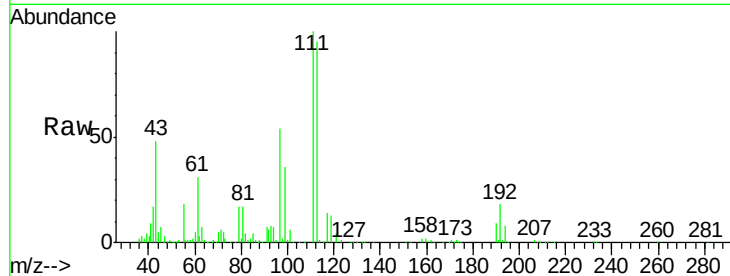
#37
Ethyl Acetate
Concen: 30.489 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	102.1	0.0	0.0#
70	9.7	7.8	11.6

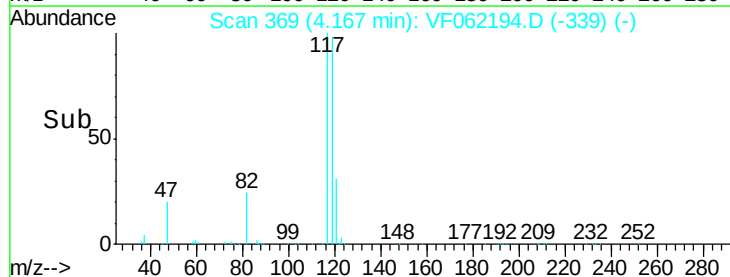
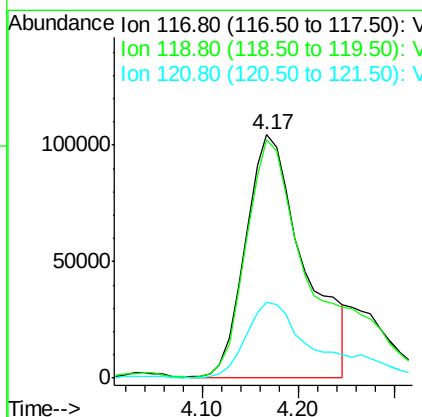
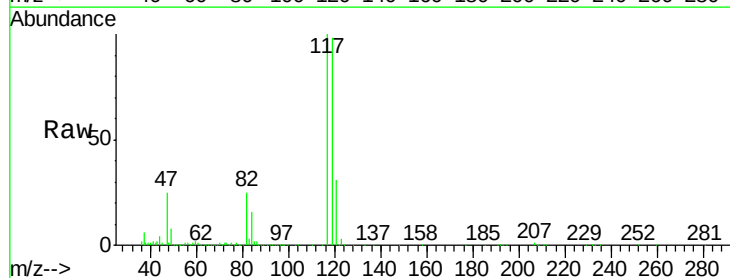
Manual Integrations
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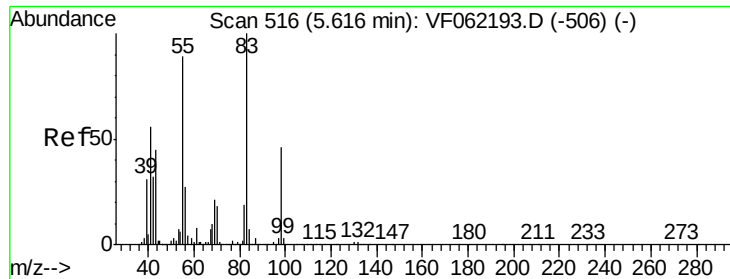
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#38
Carbon Tetrachloride
Concen: 83.622 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.0	112.4
121	31.2	26.9	40.3





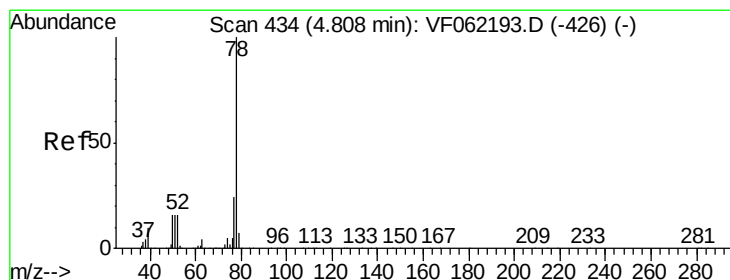
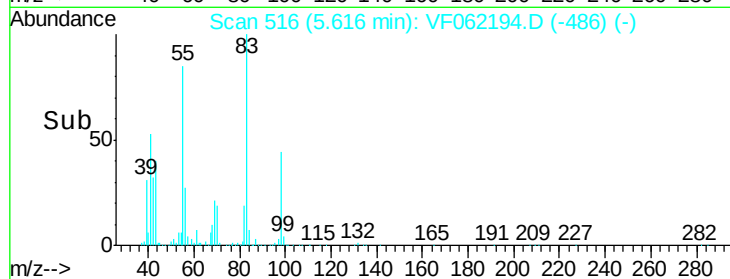
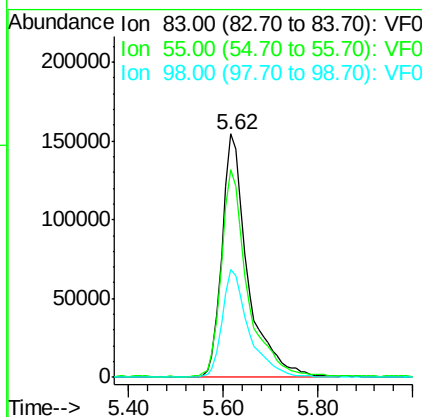
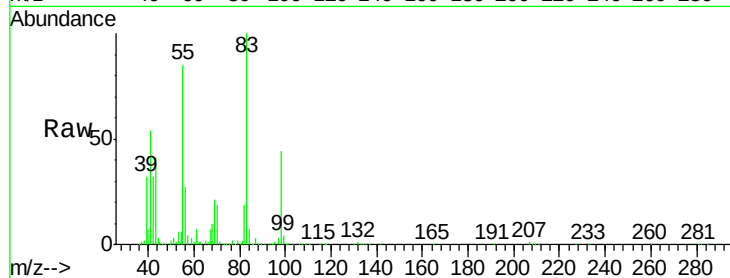
#39
Methylvlcyclohexane
Concen: 76.005 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.1	71.0	106.6
98	44.2	36.7	55.1

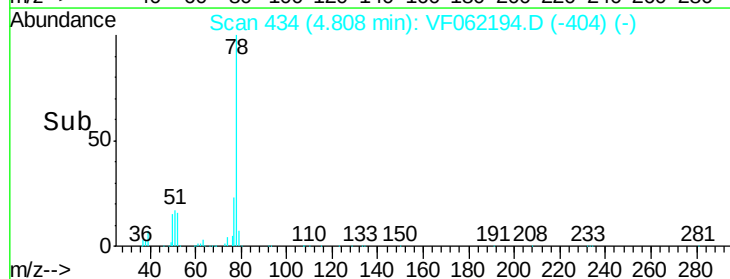
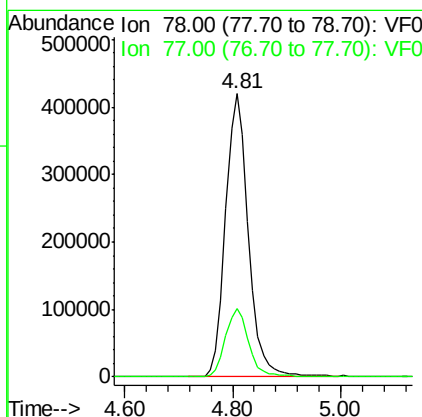
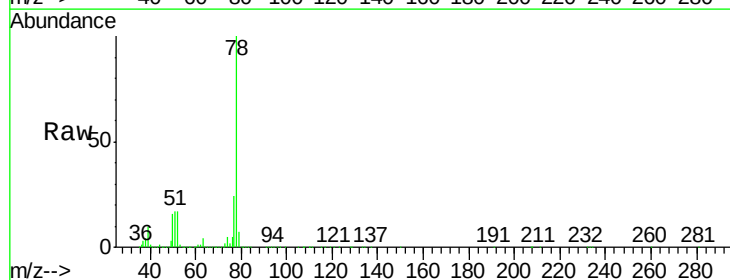
Manual Integrations
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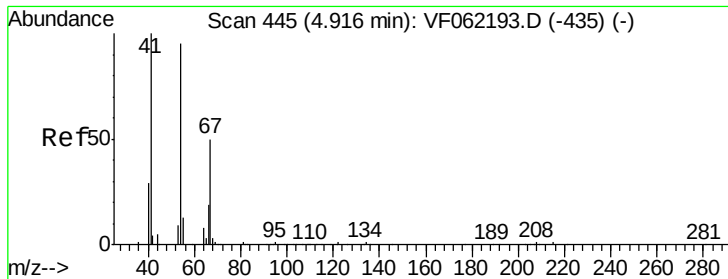
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#40
Benzene
Concen: 67.559 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#41

Methacrylonitrile

Concen: 31.120 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

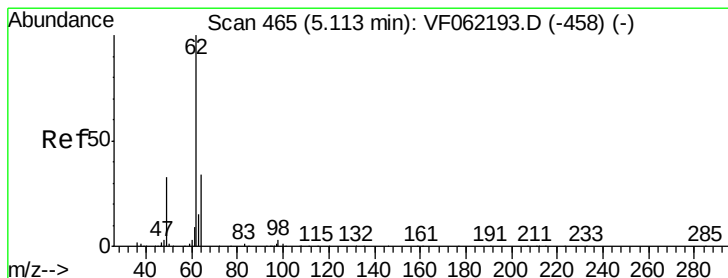
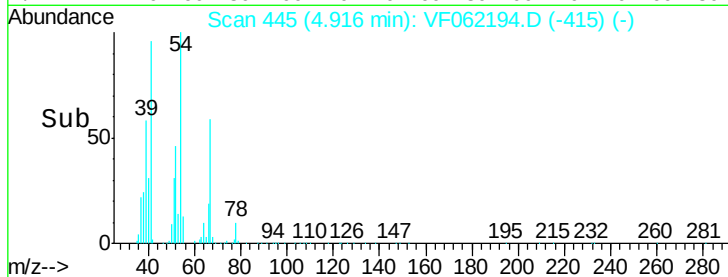
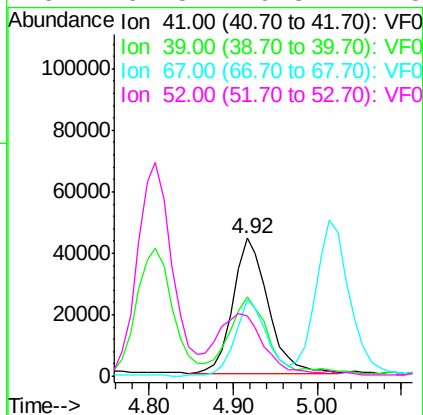
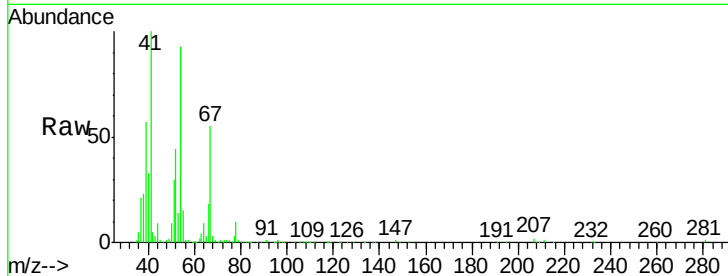
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.2	44.7	67.1	
67	51.0	39.1	58.7	
52	64.3	49.8	74.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 55.142 ug/l

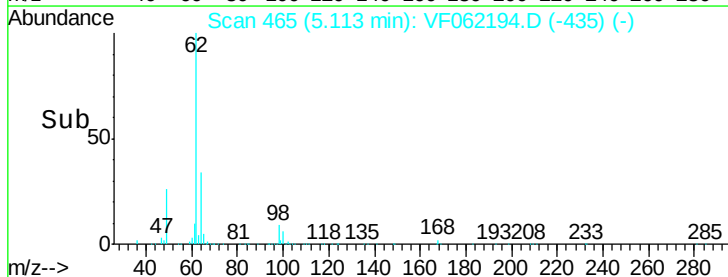
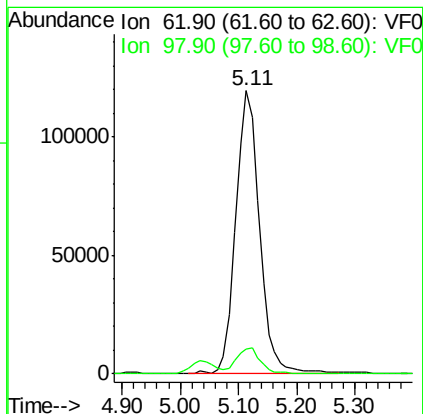
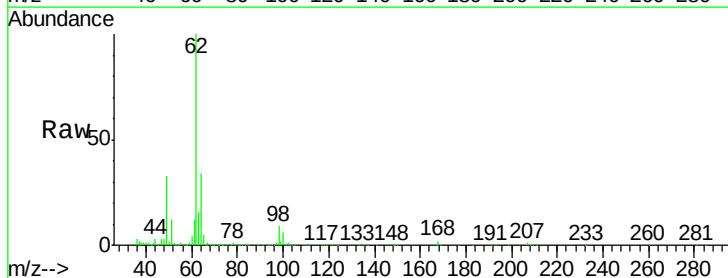
RT: 5.11 min Scan# 465

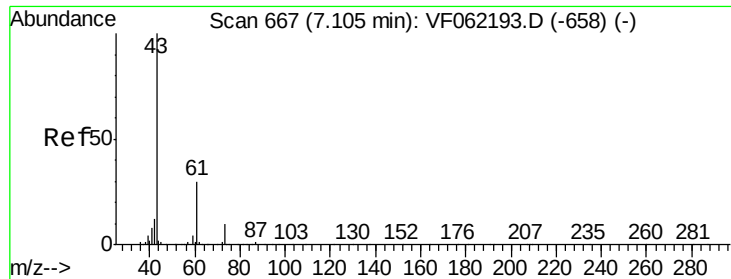
Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	19.0	





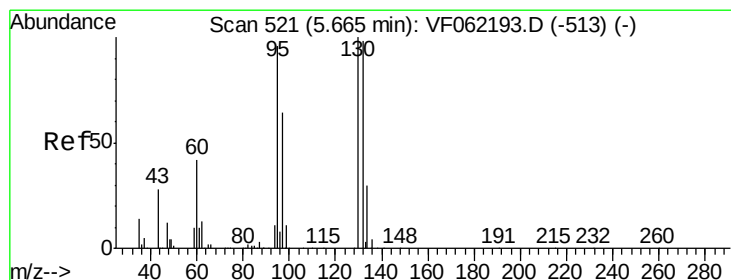
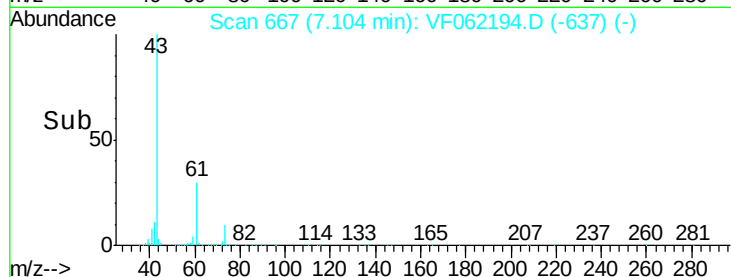
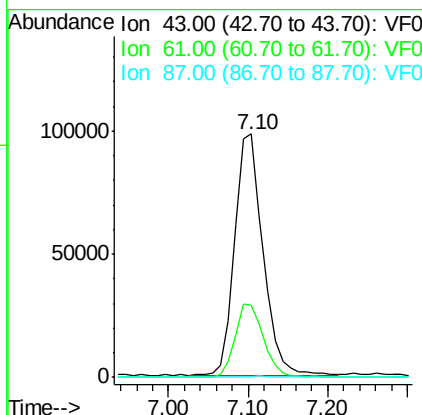
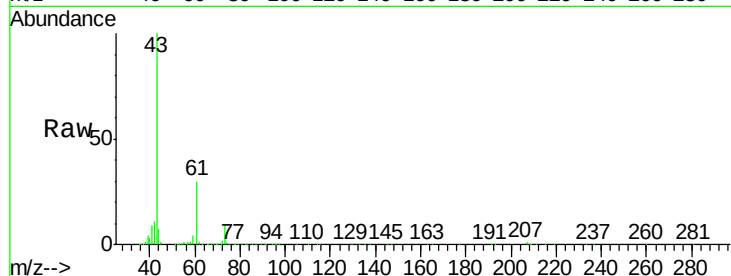
#43
Isopropyl Acetate
Concen: 21.757 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:	43	Resp:	243331
Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.4	36.6
87	0.4	0.4	0.6

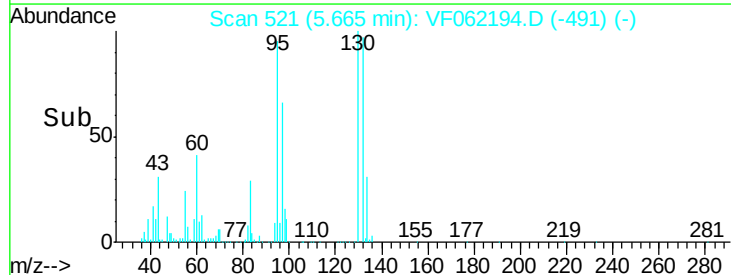
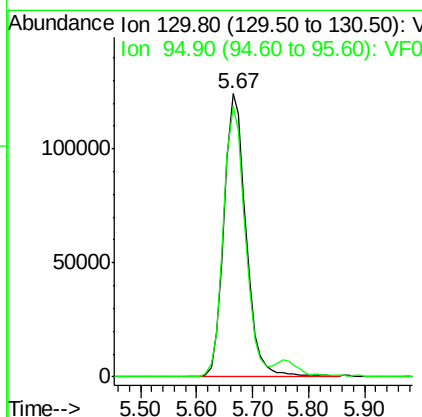
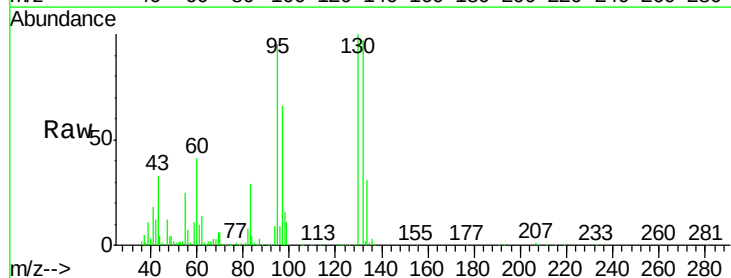
Manual Integrations
APPROVED

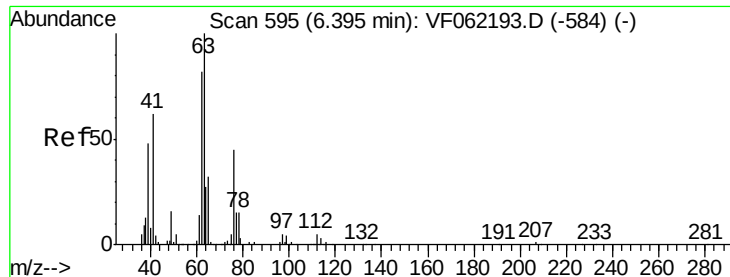
MMDadoda
4/19/2019 10:53:27 AM



#44
Trichloroethene
Concen: 74.811 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion:	130	Resp:	341595
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	191.4





#45

1,2-Dichloropropane

Concen: 57.345 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 279096

Ion Ratio Lower Upper

63 100

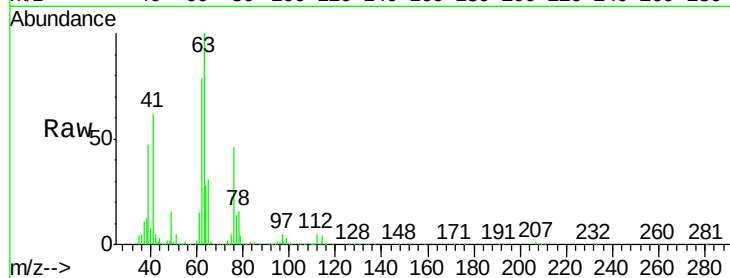
65 31.2 25.9 38.9

Manual Integrations

APPROVED

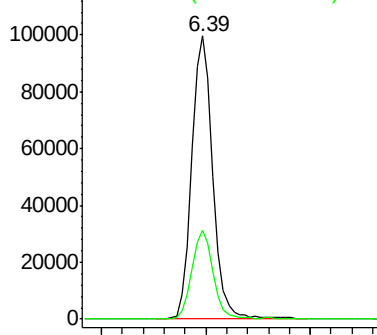
MMDadoda

4/19/2019 10:53:27 AM

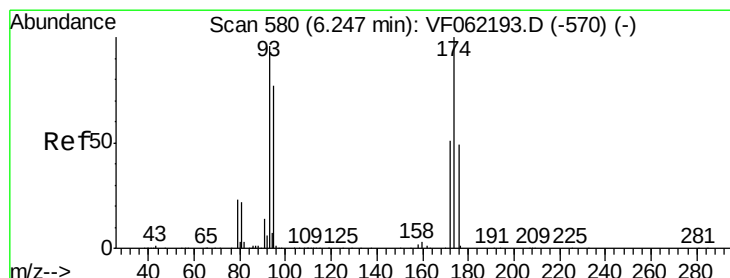
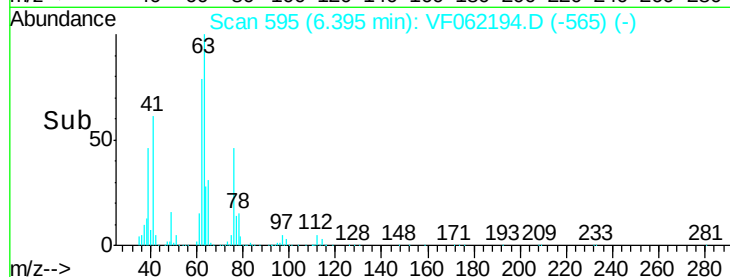


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



Time-->



#46

Dibromomethane

Concen: 65.223 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

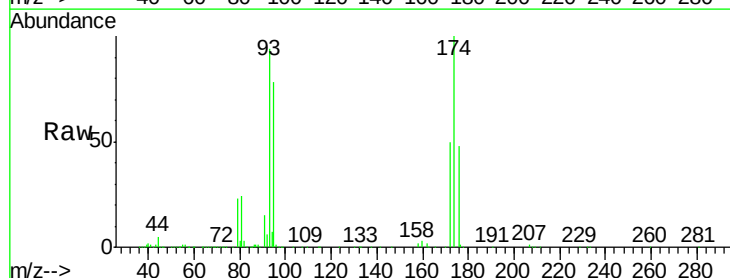
Tgt Ion: 93 Resp: 190277

Ion Ratio Lower Upper

93 100

95 84.3 65.1 97.7

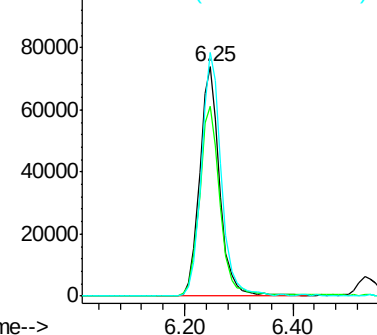
174 105.5 81.8 122.6



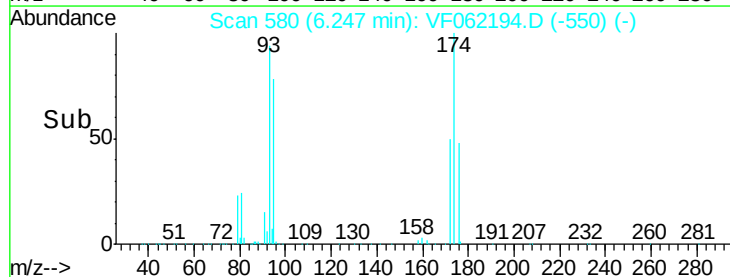
Abundance Ion 92.80 (92.50 to 93.50): VF0

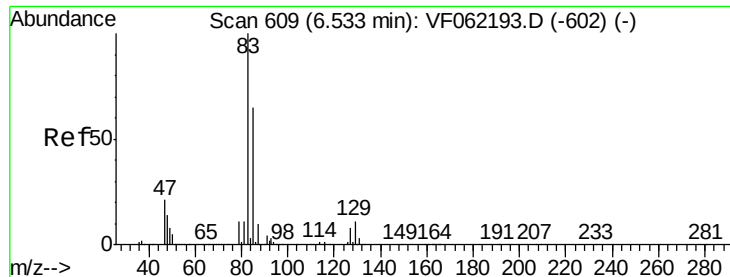
Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 72.768 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

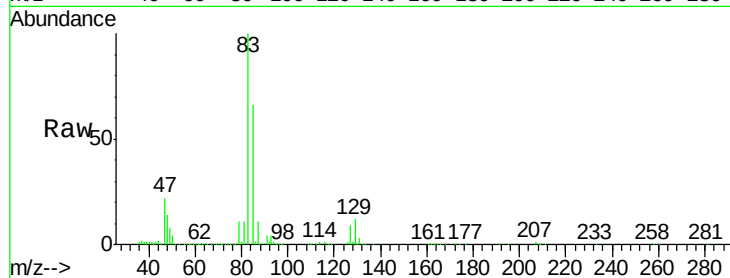
ClientSampleId :

VSTDIC075

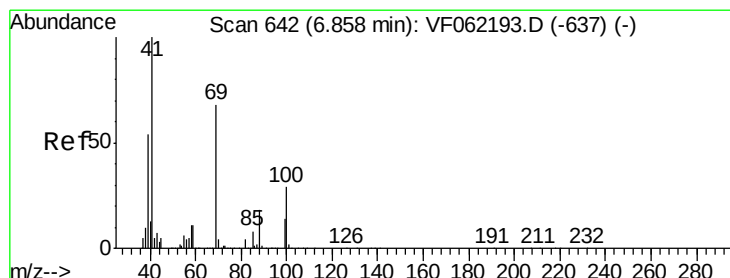
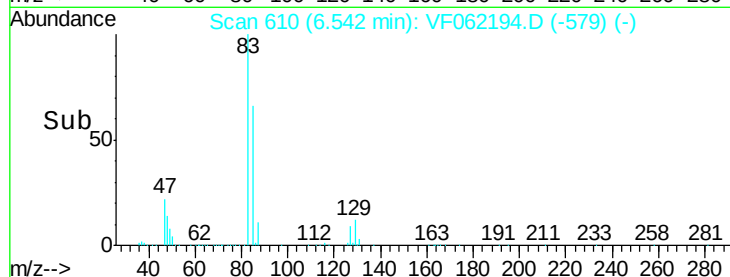
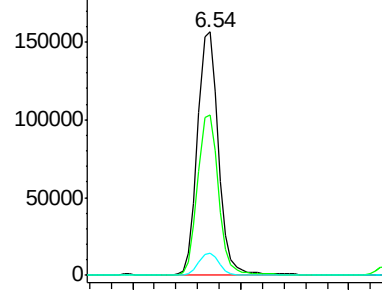
Tot Ion:	83	Resp:	421369
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4
127	9.2	6.7	10.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 28.615 ug/l

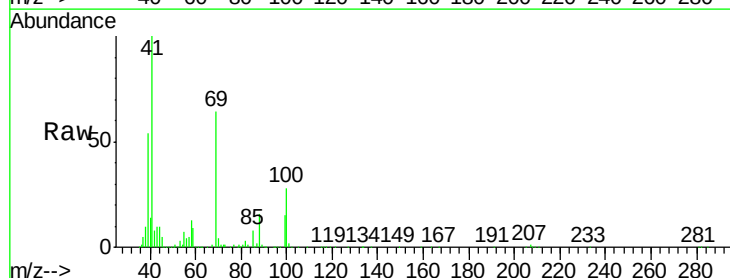
RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

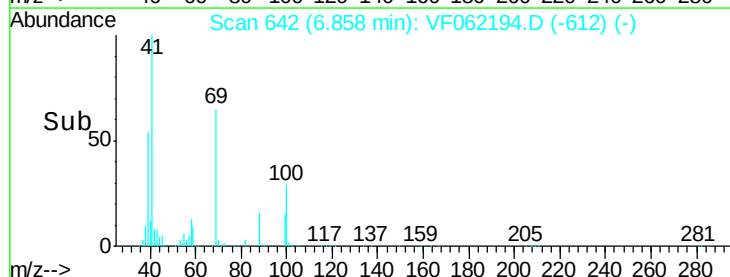
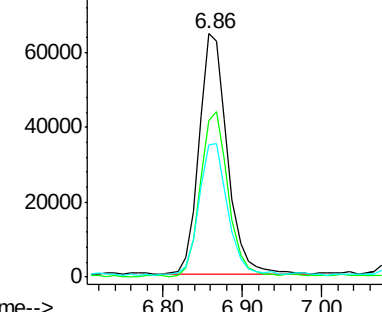
Lab File: VF062194.D

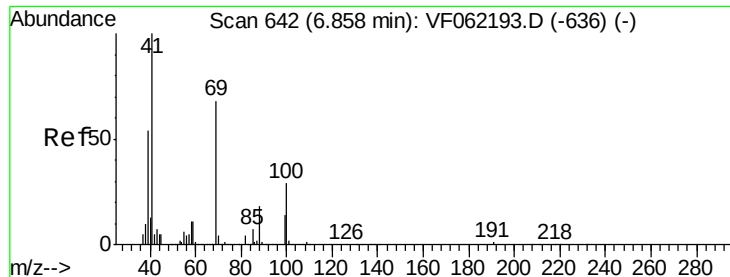
Acq: 17 Apr 2019 19:07

Tgt Ion:	41	Resp:	160579
Ion	Ratio	Lower	Upper
41	100		
69	67.3	54.9	82.3
39	55.1	43.6	65.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





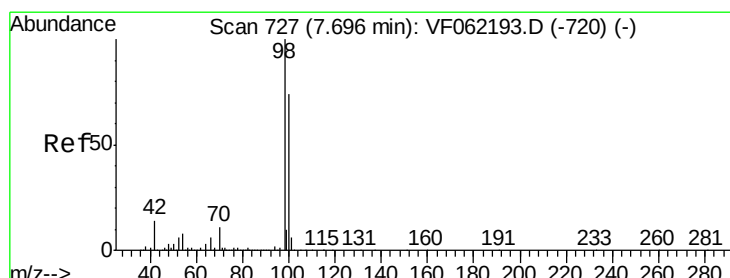
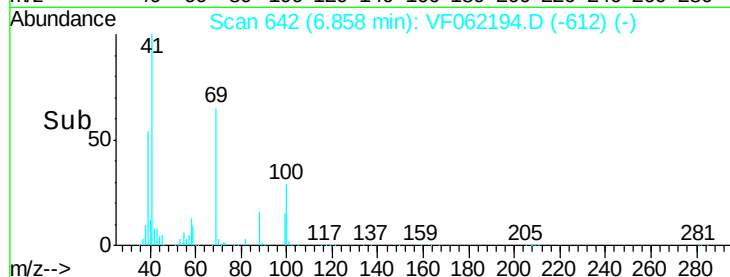
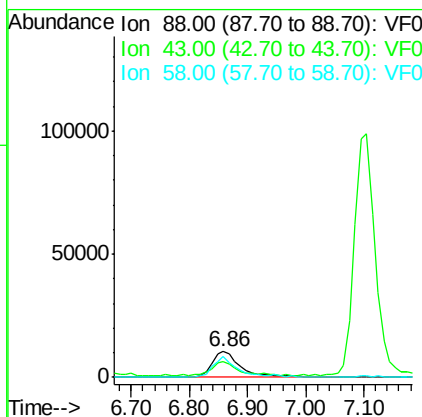
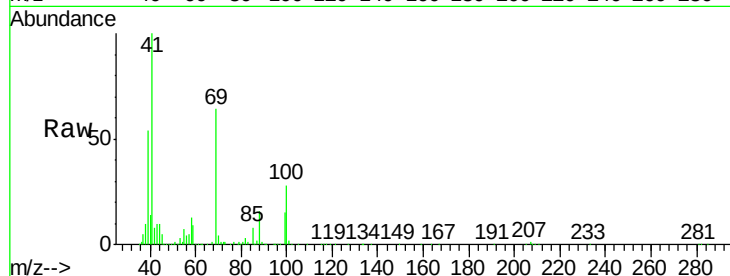
#49
1,4-Dioxane
Concen: 348.629 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.8	36.9	55.3
58	71.5	56.8	85.2

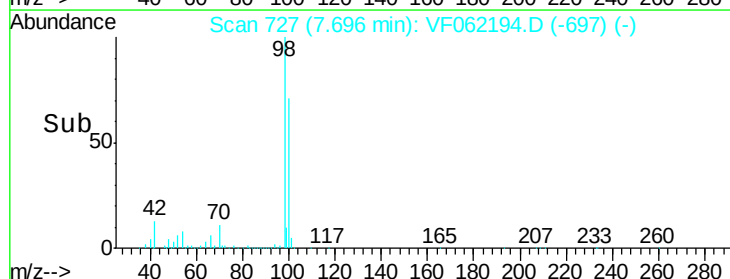
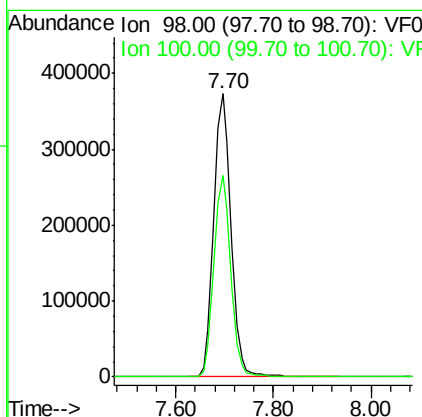
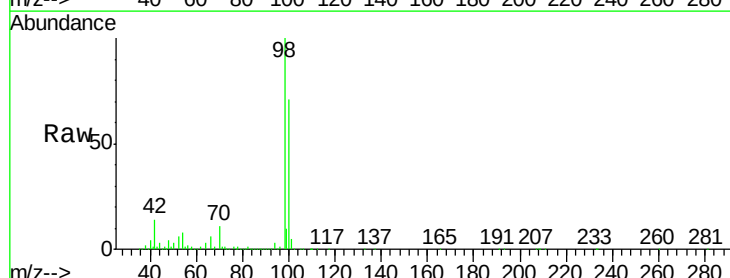
Manual Integrations
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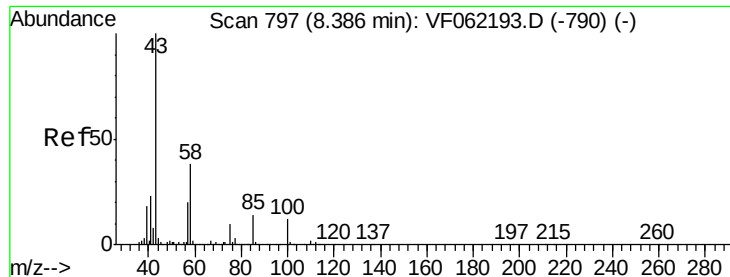
MMDadoda
4/19/2019 10:53:27 AM



#50
Toluene-d8
Concen: 62.777 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.4	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 121.384 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 872268

Ion Ratio Lower Upper

43 100

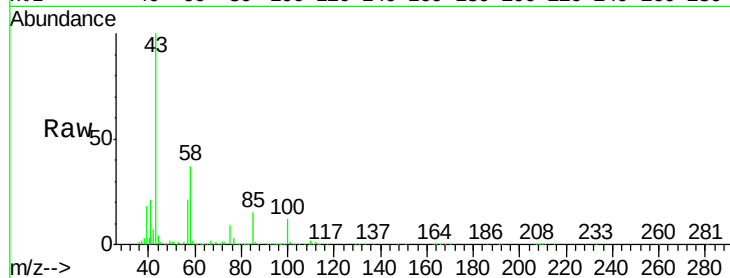
58 36.6 29.3 43.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

400000

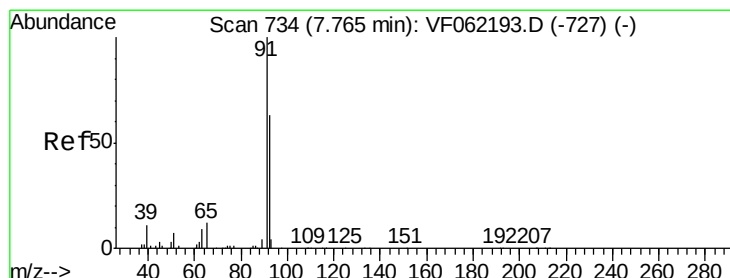
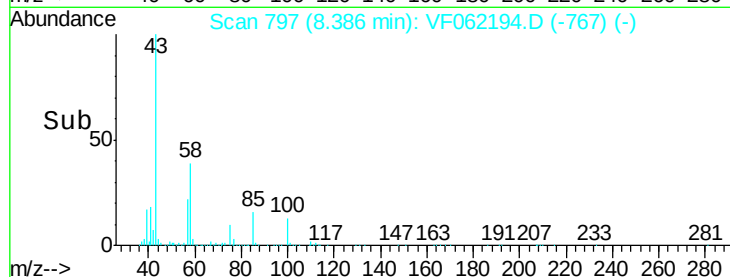
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 60.747 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF062194.D

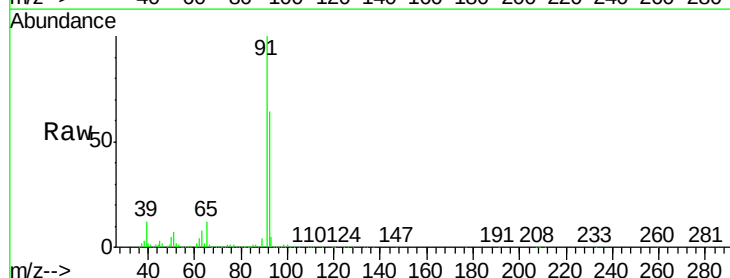
Acq: 17 Apr 2019 19:07

Tgt Ion: 92 Resp: 653163

Ion Ratio Lower Upper

92 100

91 163.1 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

500000

400000

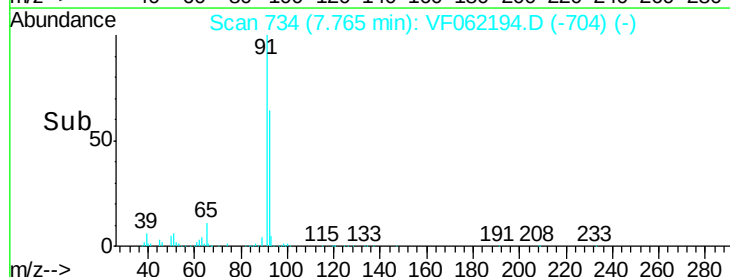
300000

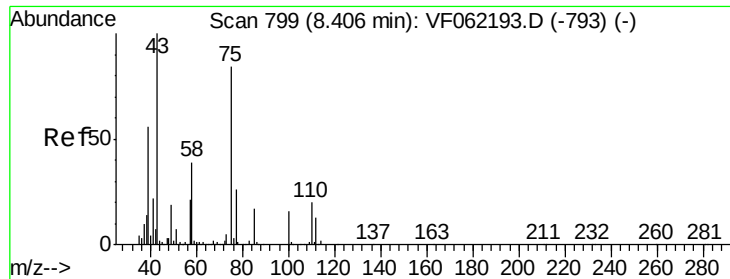
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.432 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 314187

Ion Ratio Lower Upper

75 100

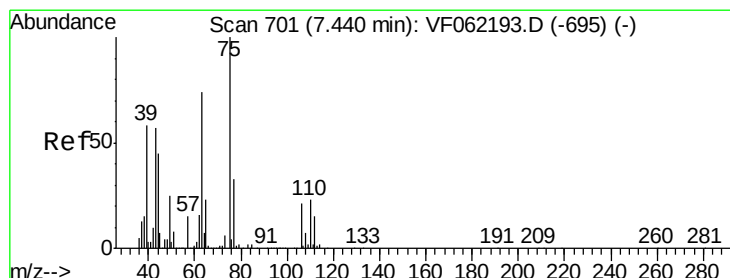
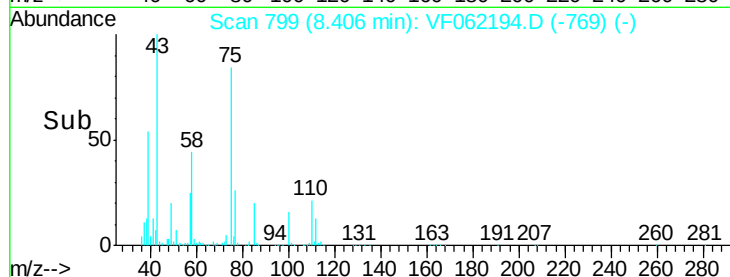
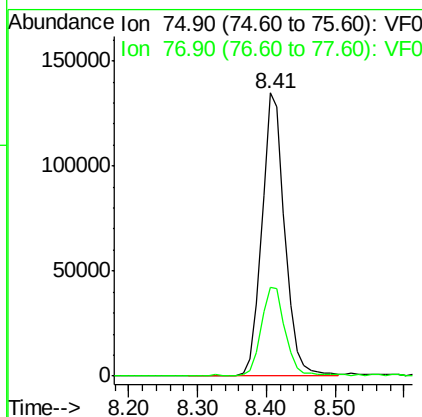
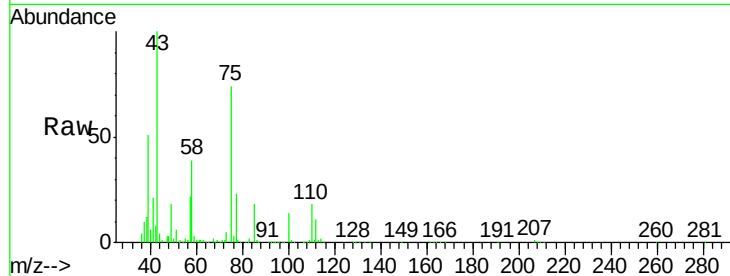
77 31.2 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 58.929 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

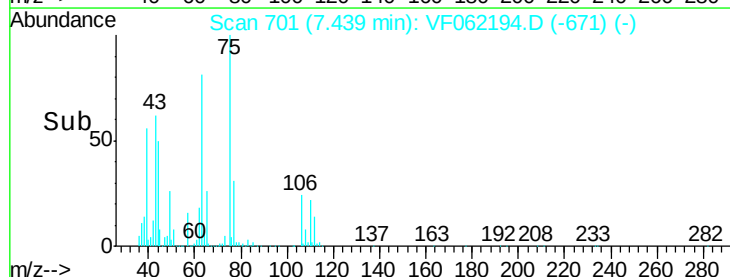
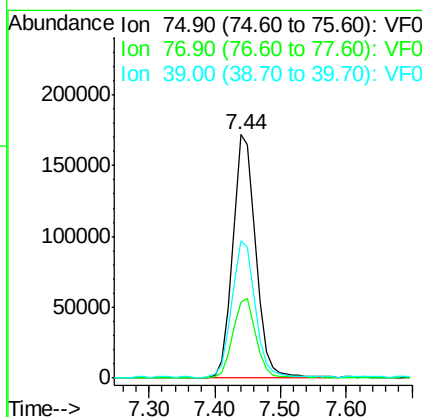
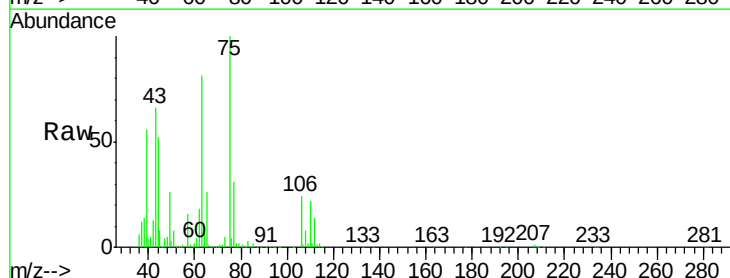
Tgt Ion: 75 Resp: 423015

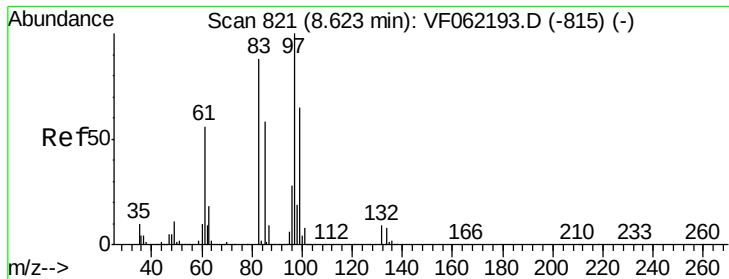
Ion Ratio Lower Upper

75 100

77 31.2 26.4 39.6

39 56.0 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 46.813 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

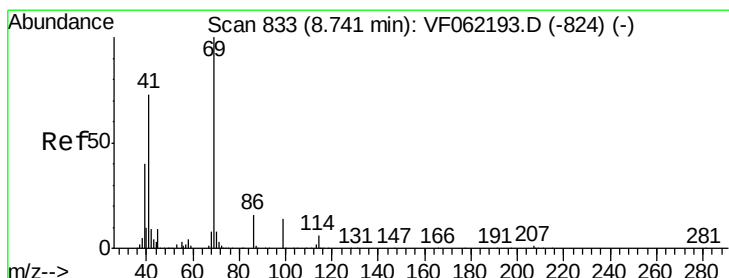
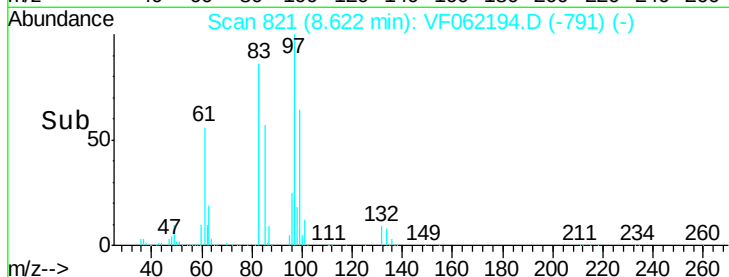
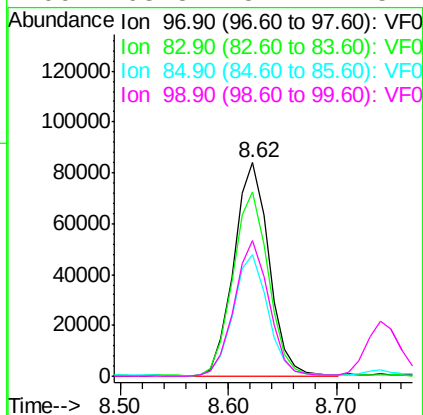
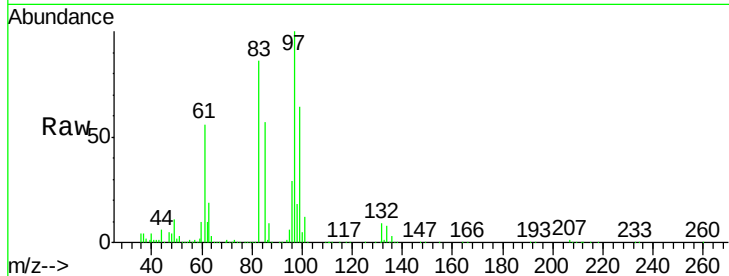
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	189694
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.2	105.2
85	56.5	46.2	69.4
99	63.8	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 31.732 ug/l

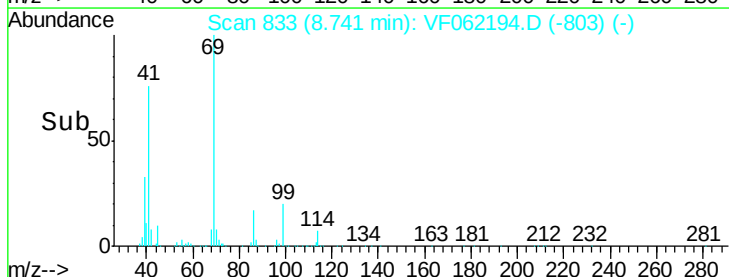
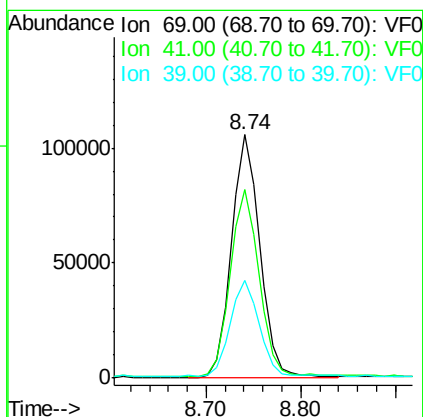
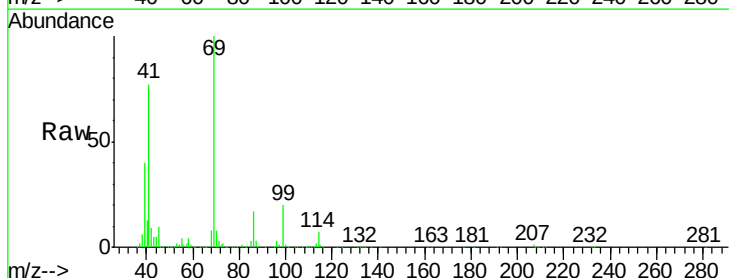
RT: 8.74 min Scan# 833

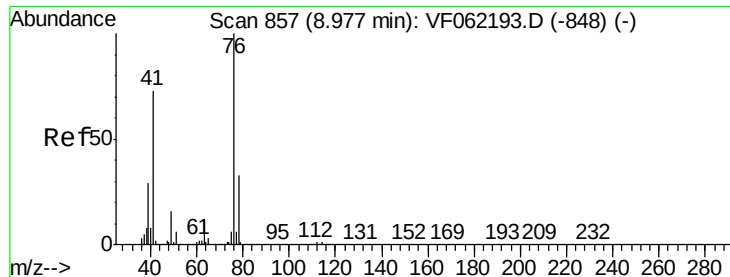
Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion:	69	Resp:	219575
Ion	Ratio	Lower	Upper
69	100		
41	78.0	61.5	92.3
39	40.5	33.3	49.9





#57

1,3-Dichloropropane

Concen: 42.789 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 305555

Ion Ratio Lower Upper

76 100

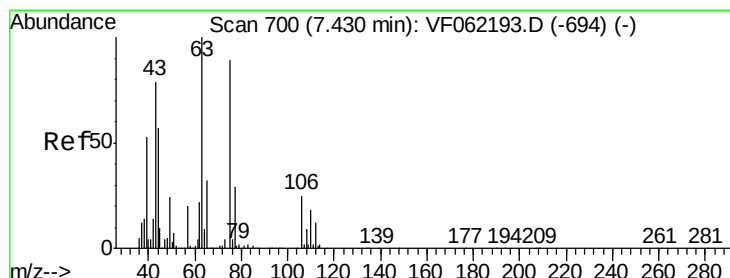
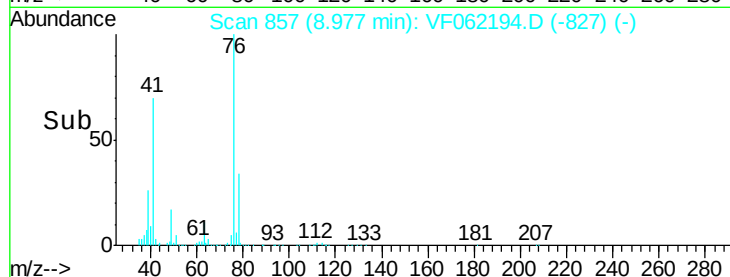
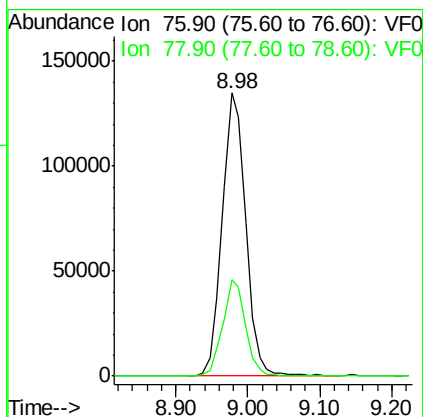
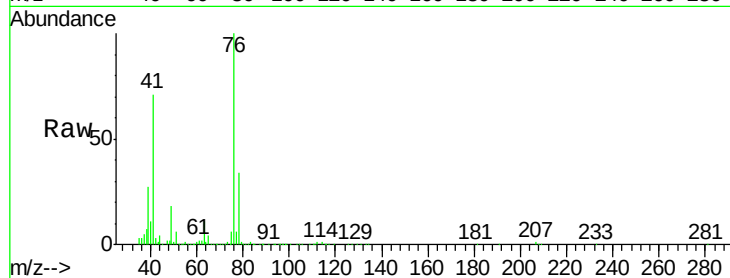
78 33.1 26.5 39.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.331 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.00 min

Lab File: VF062194.D

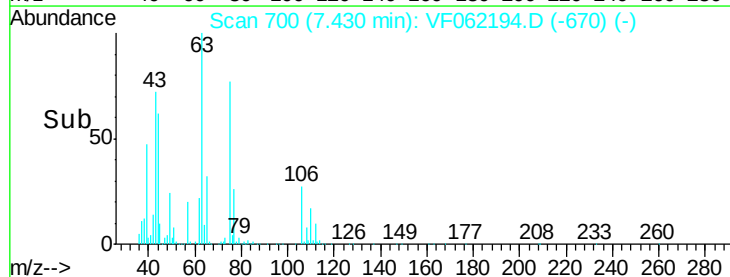
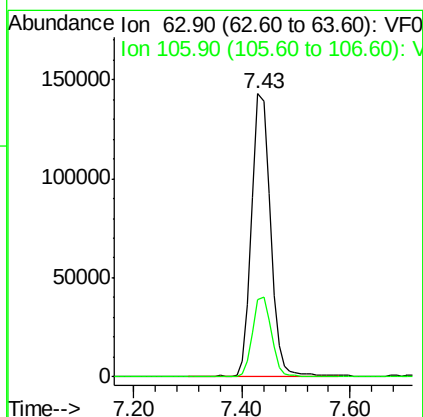
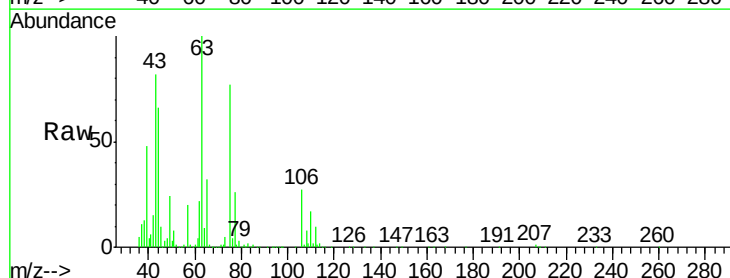
Acq: 17 Apr 2019 19:07

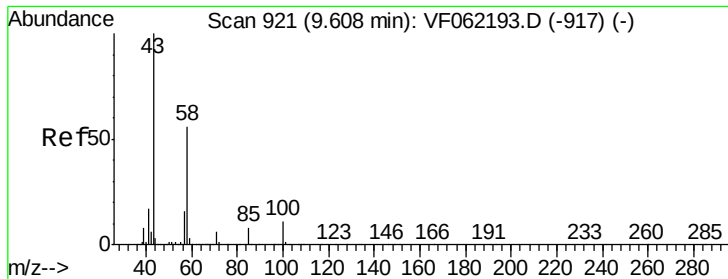
Tgt Ion: 63 Resp: 348043

Ion Ratio Lower Upper

63 100

106 28.1 21.4 32.0





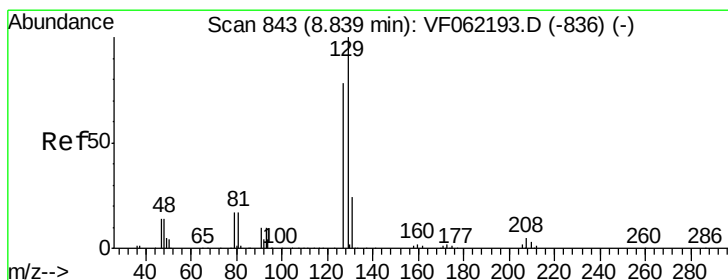
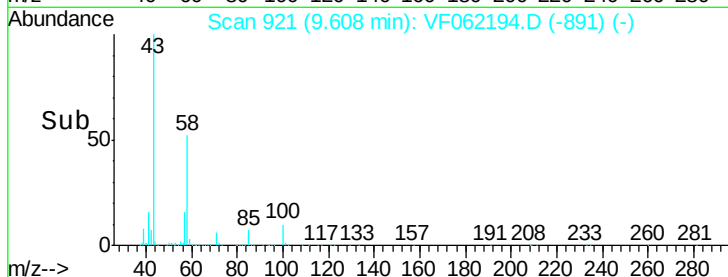
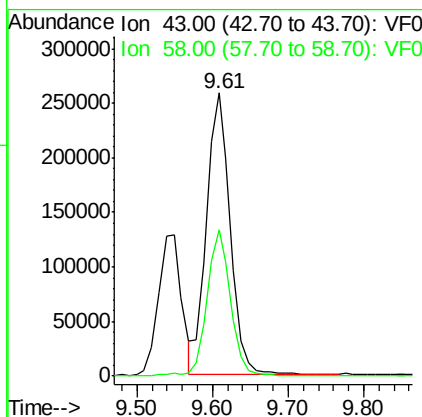
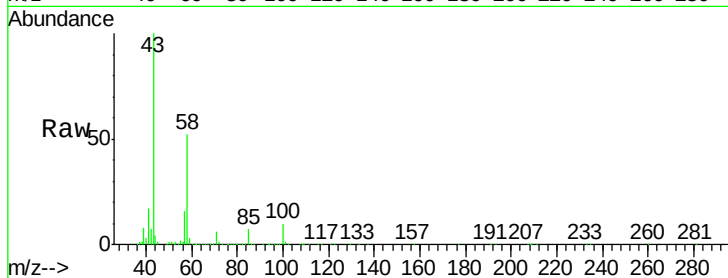
#59
2-Hexanone
Concen: 103.477 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	24.6	74.0

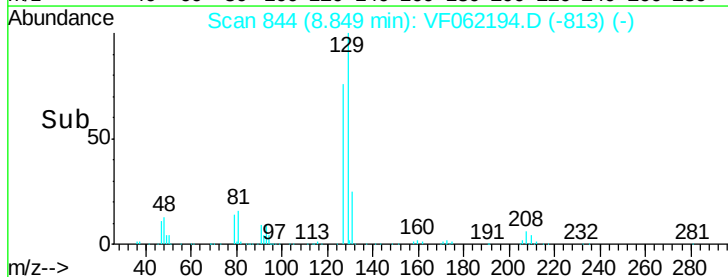
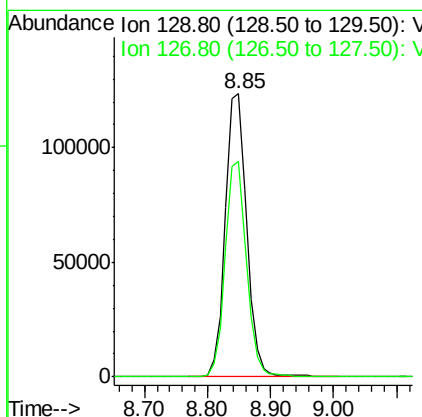
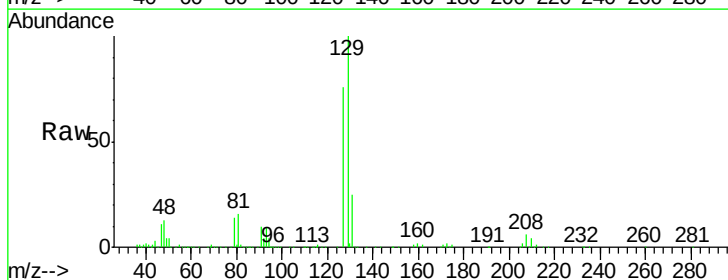
Manual Integrations
APPROVED

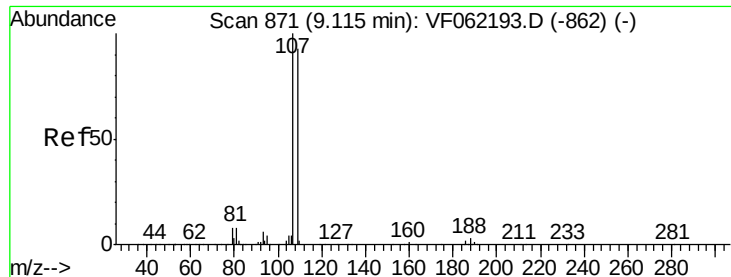
MMDadoda
4/19/2019 10:53:27 AM



#60
Dibromochloromethane
Concen: 71.194 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	39.0	117.0





#61

1,2-Dibromoethane

Concen: 51.303 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 107 Resp: 216290

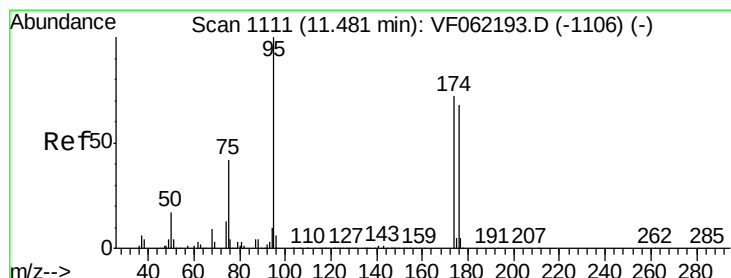
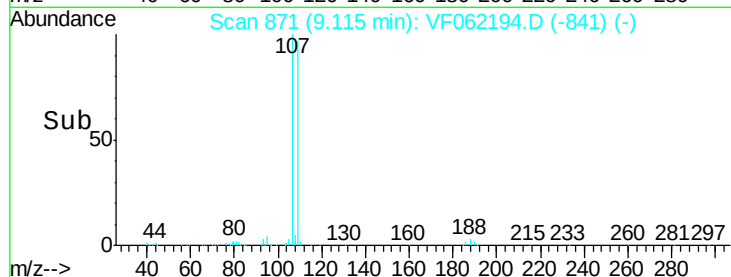
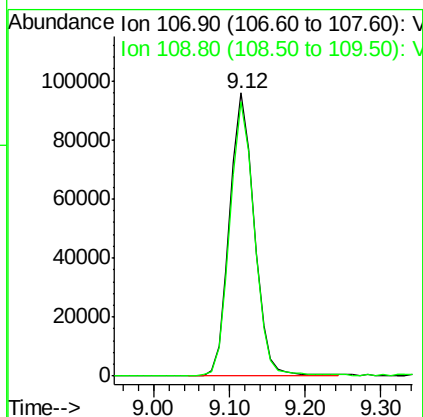
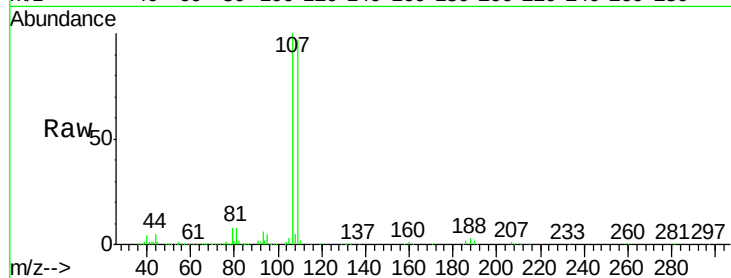
Ion Ratio Lower Upper

107 100

109 96.2 74.3 111.5

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 63.609 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

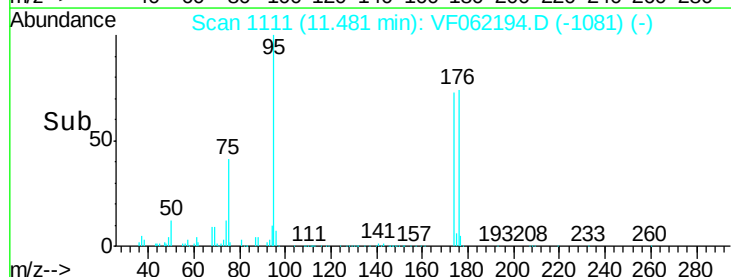
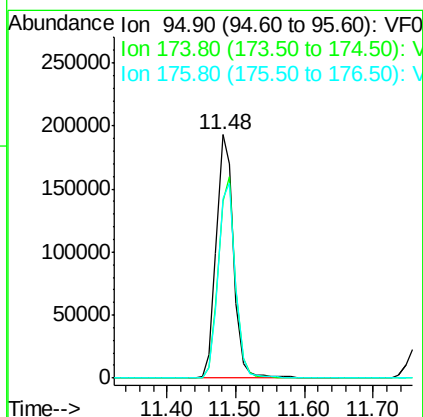
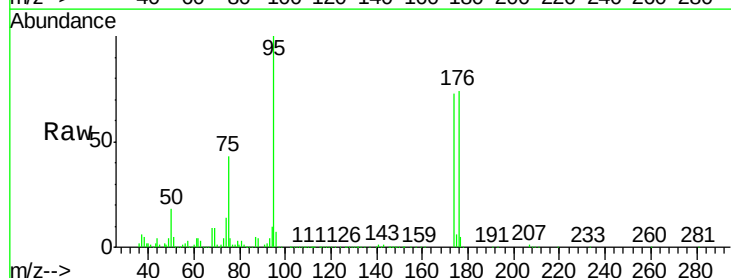
Tgt Ion: 95 Resp: 334177

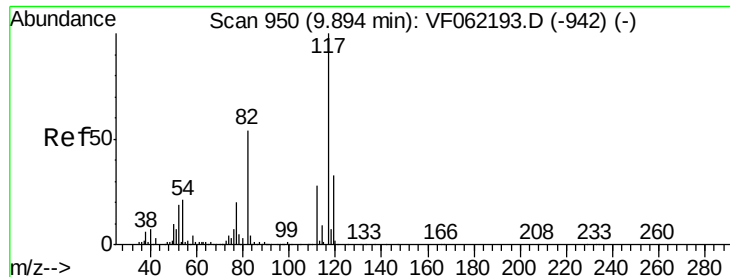
Ion Ratio Lower Upper

95 100

174 82.2 0.0 159.4

176 81.2 0.0 155.4





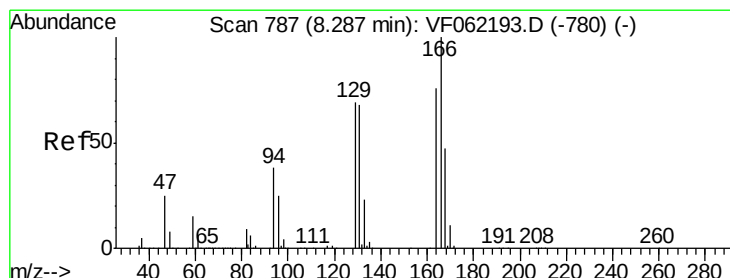
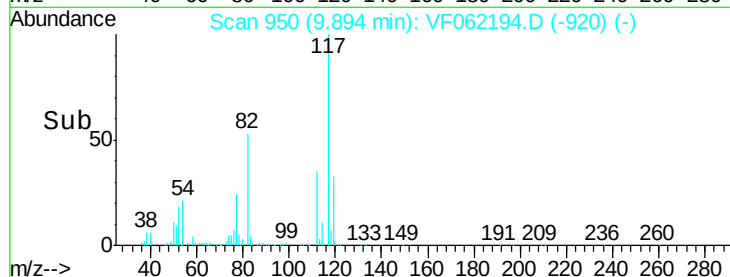
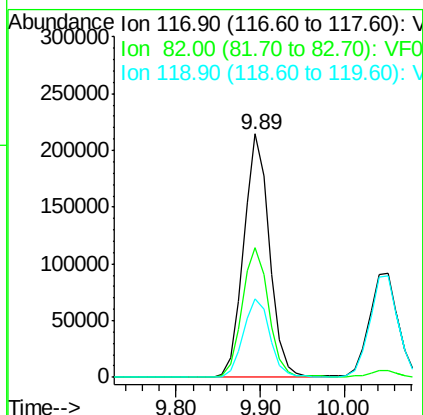
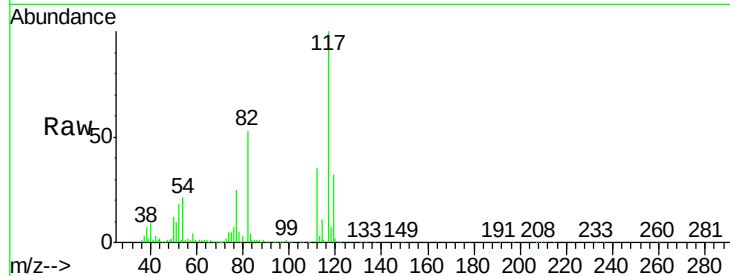
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	459995		
82	52.9		43.2	64.8
119	32.5		26.2	39.4

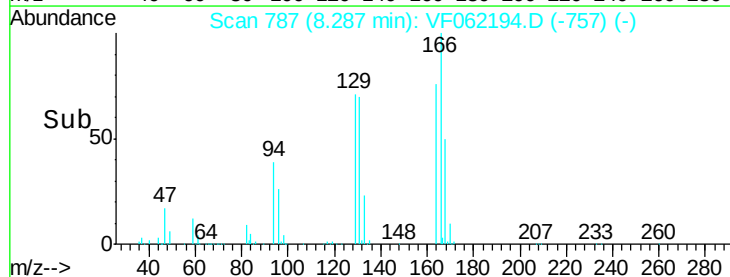
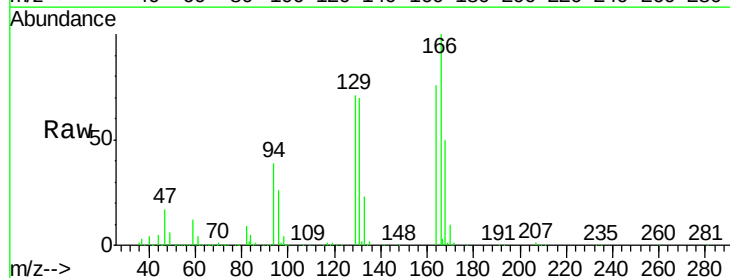
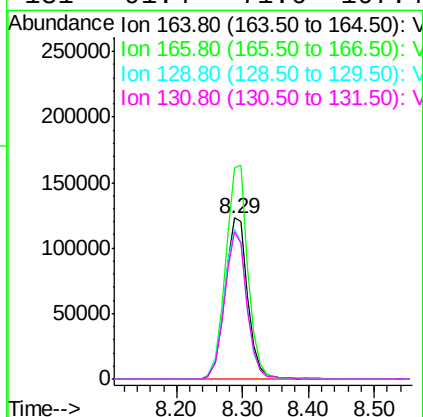
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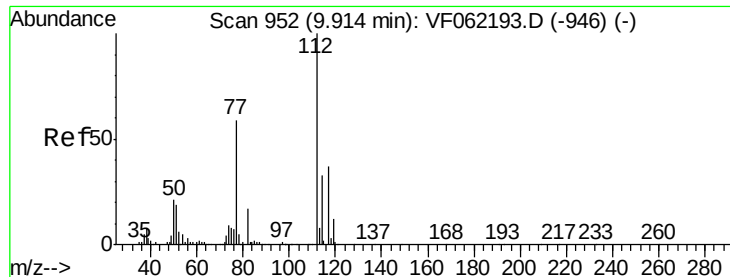
MMDadoda
4/19/2019 10:53:27 AM



#64
Tetrachloroethene
Concen: 81.509 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	295931		
166	130.9		104.7	157.1
129	93.4		72.6	109.0
131	91.4		71.6	107.4





#65

Chlorobenzene

Concen: 70.115 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:112 Resp: 694078

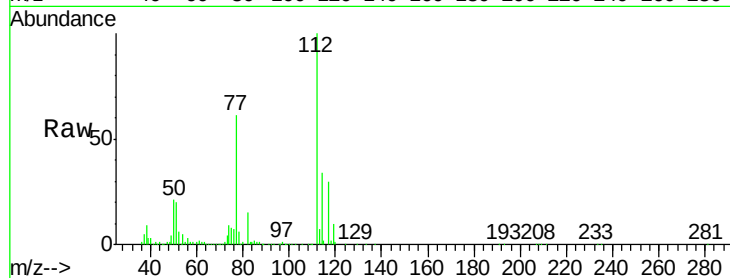
Ion Ratio Lower Upper

112 100

114 33.9 26.1 39.1

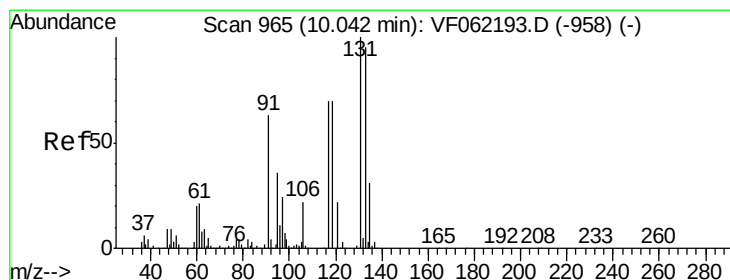
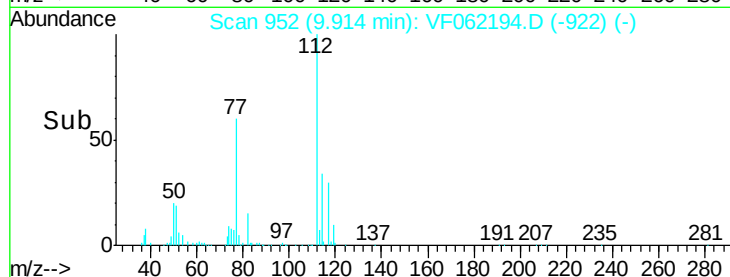
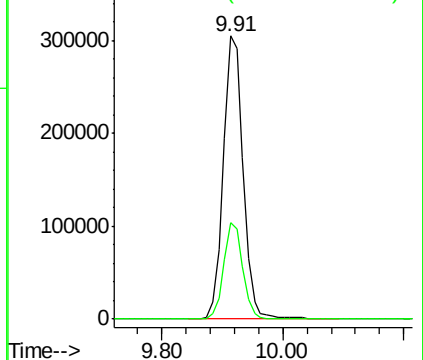
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 84.527 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

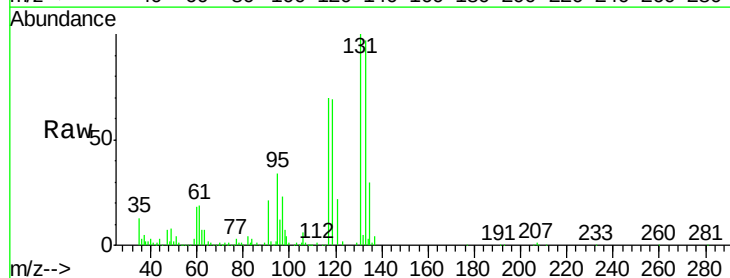
Tgt Ion:131 Resp: 306805

Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

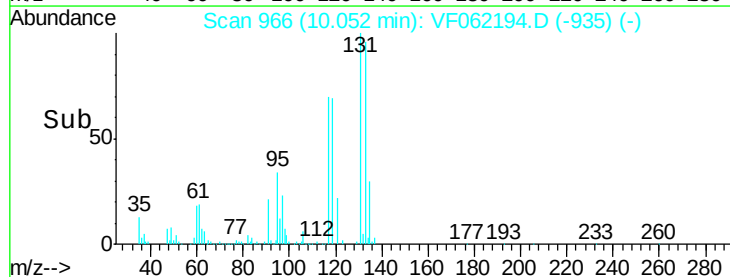
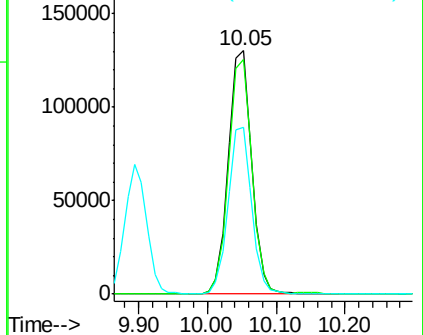
119 68.2 34.6 103.9

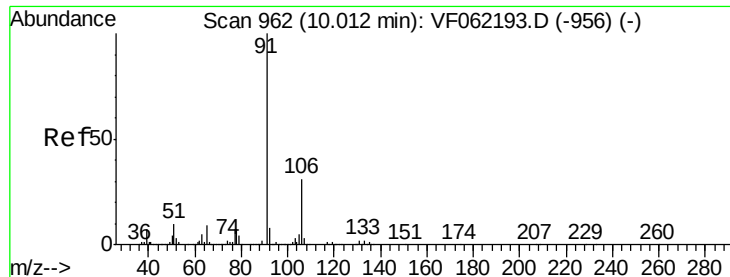


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 67.220 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tot Ion: 91 Resp: 1198082

Ion Ratio Lower Upper

91 100

106 31.3 24.9 37.3

Instrument :

MSVOA_F

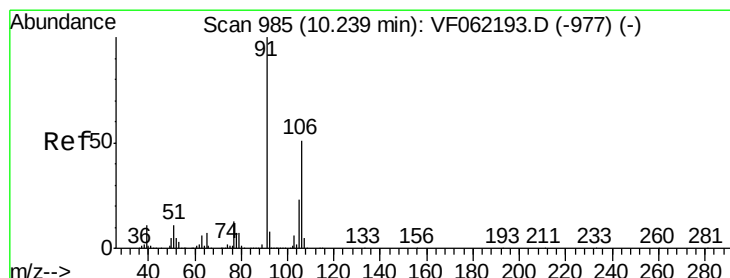
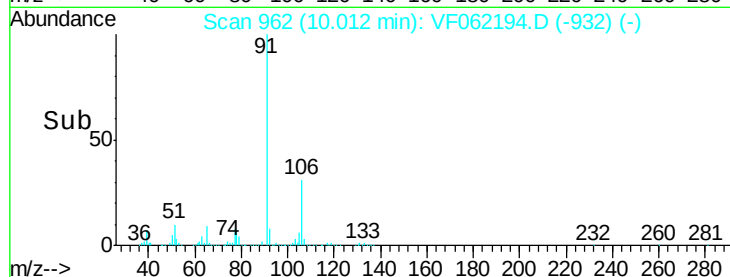
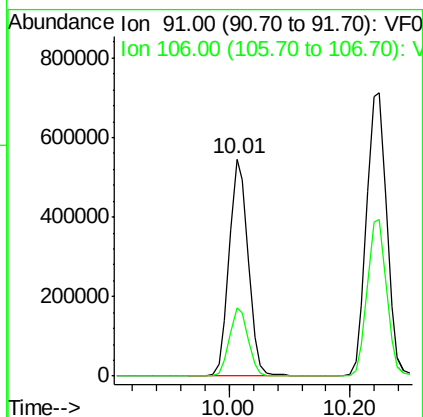
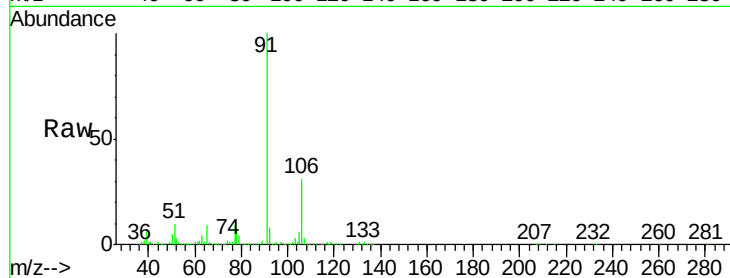
ClientSampleId :

VSTDIC075

Manual Integrations
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#68

m/p-Xylenes

Concen: 135.534 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VF062194.D

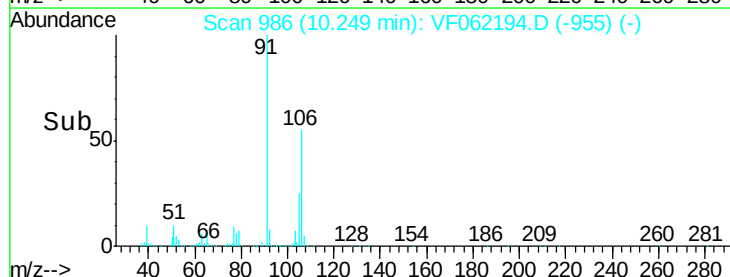
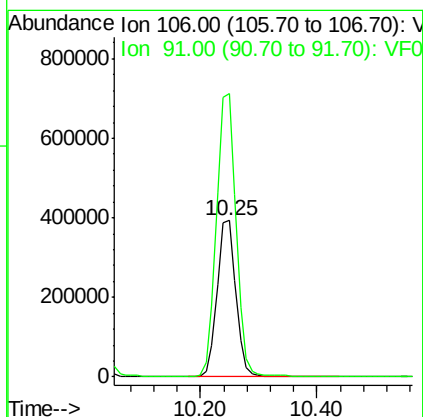
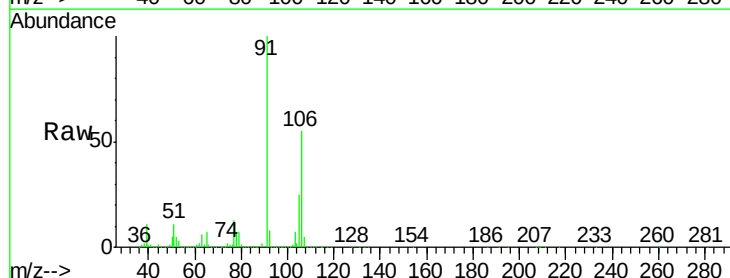
Acq: 17 Apr 2019 19:07

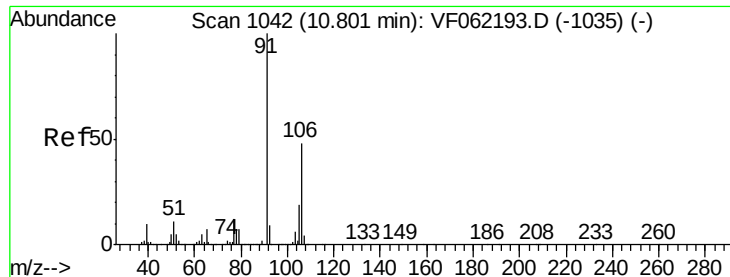
Tgt Ion:106 Resp: 878946

Ion Ratio Lower Upper

106 100

91 189.6 159.1 238.7





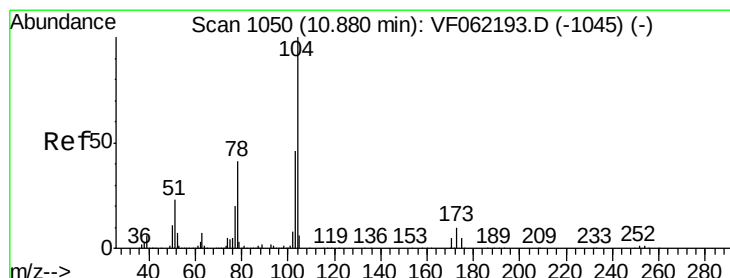
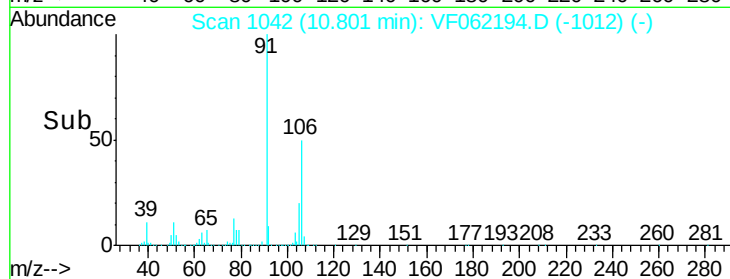
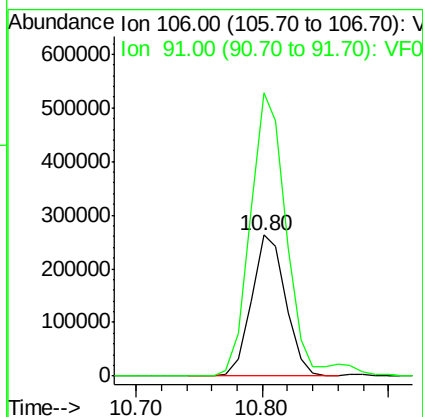
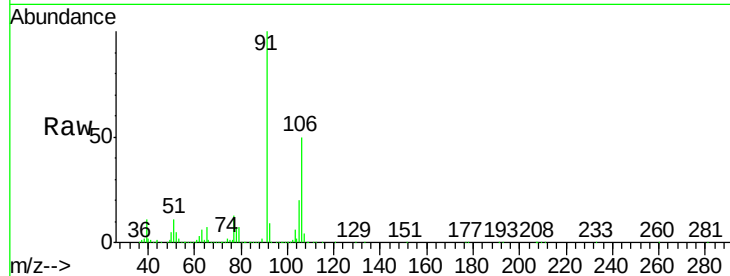
#69
o-Xylene
Concen: 76.327 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		496314		
91	207.4	107.5	322.4		

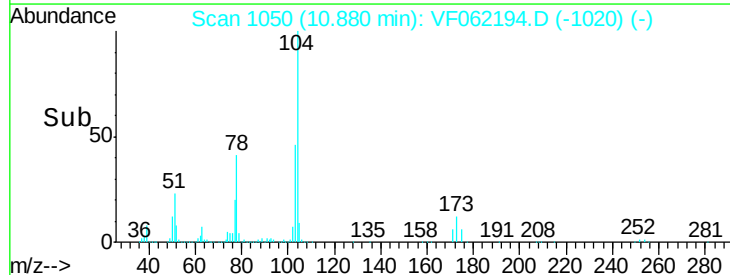
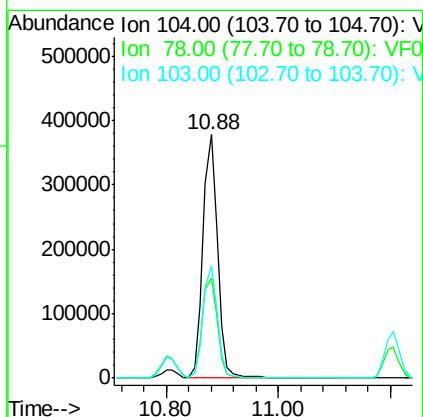
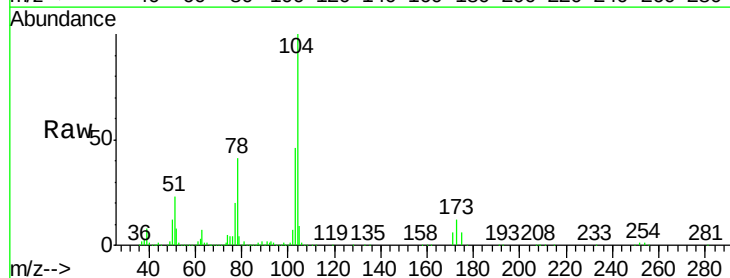
Manual Integrations
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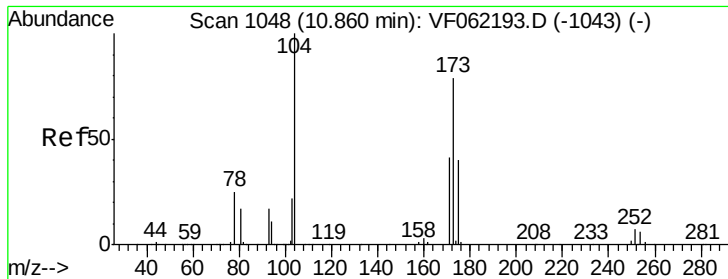
MMDadoda
4/19/2019 10:53:27 AM



#70
Styrene
Concen: 64.141 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		691027		
78	42.4	34.5	51.7		
103	46.2	37.2	55.8		





#71

Bromoform

Concen: 62.483 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

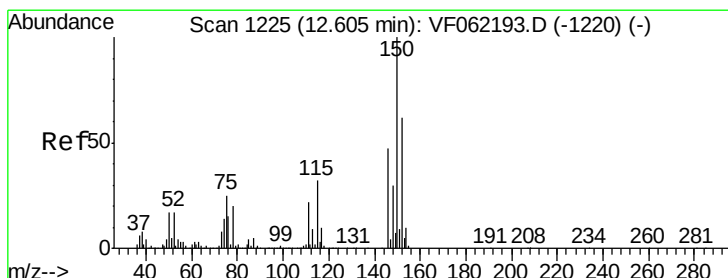
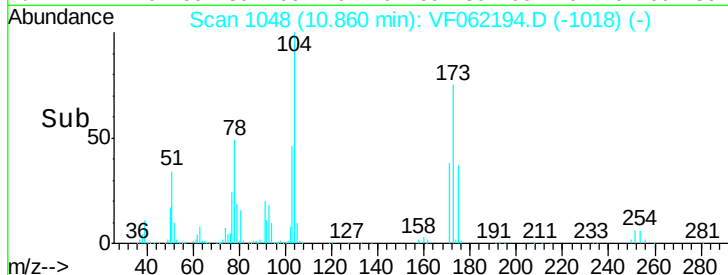
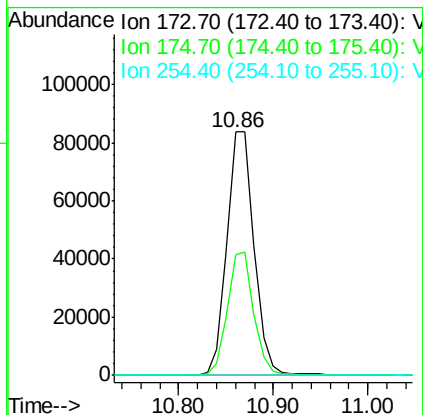
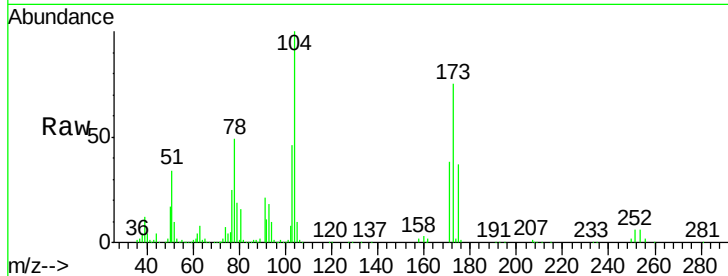
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.0	0.1	0.1#

Manual Integrations
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MMDadoda
4/19/2019 10:53:27 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

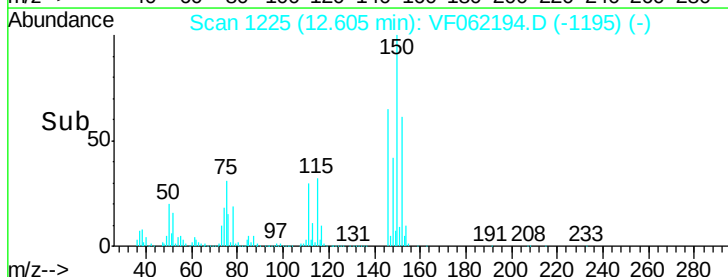
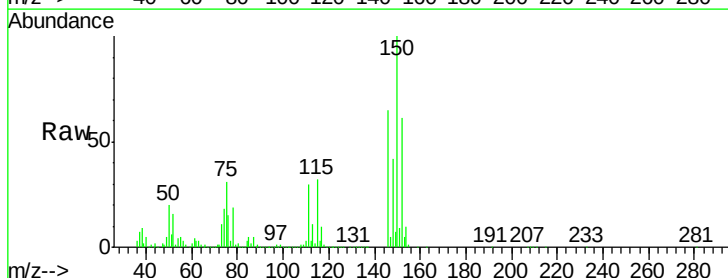
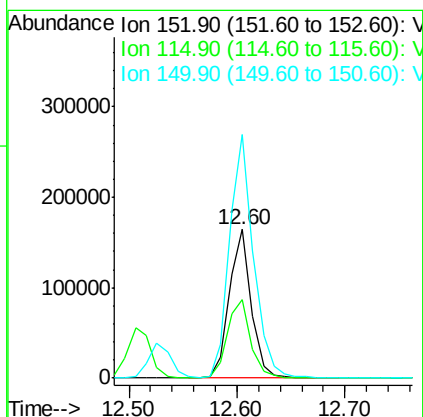
RT: 12.60 min Scan# 1225

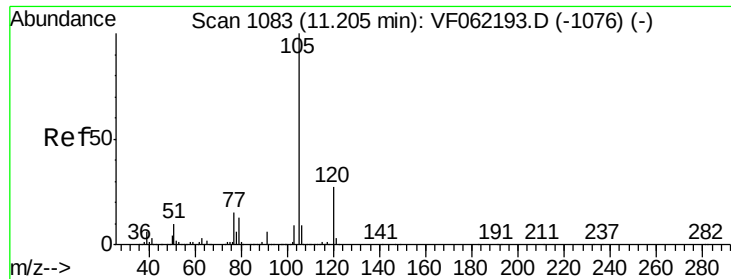
Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.3
150	179.3	0.0	341.8





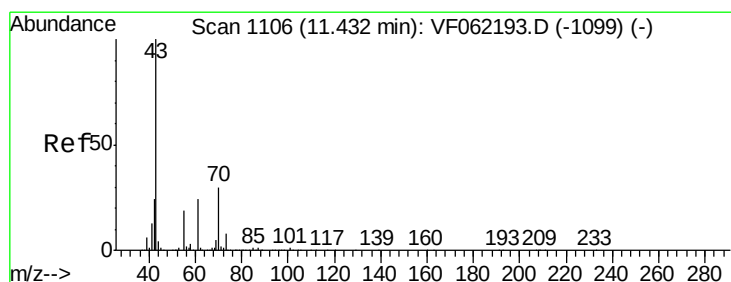
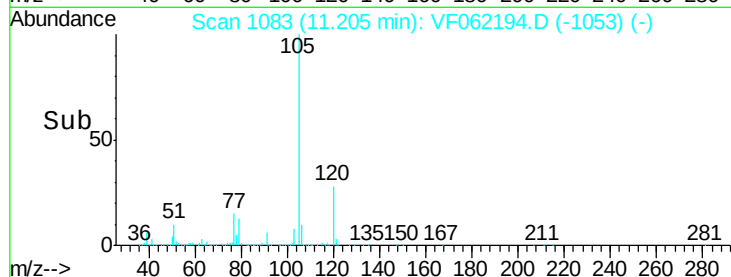
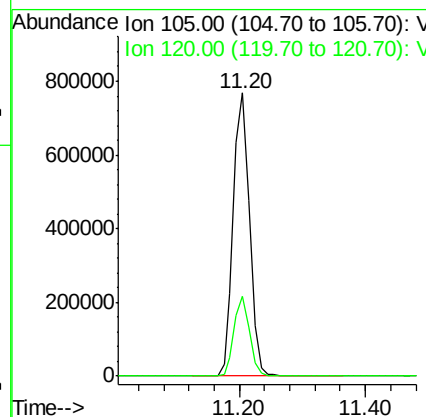
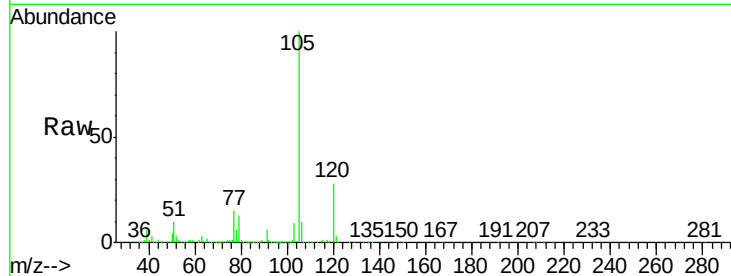
#73
Isopropylbenzene
Concen: 75.432 ug/l
RT: 11.20 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:105 Resp: 1372496
Ion Ratio Lower Upper
105 100
120 26.7 13.0 38.9

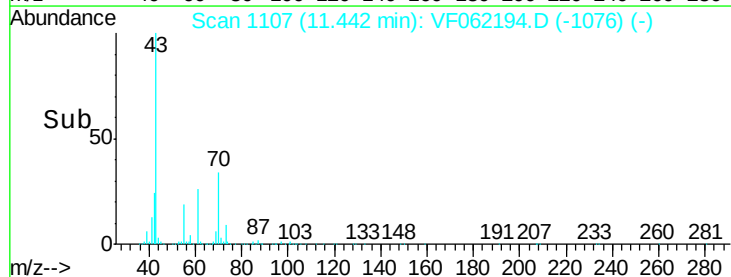
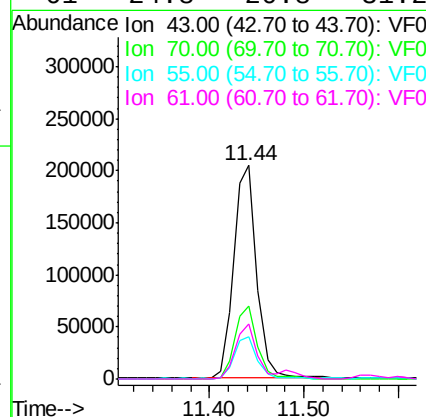
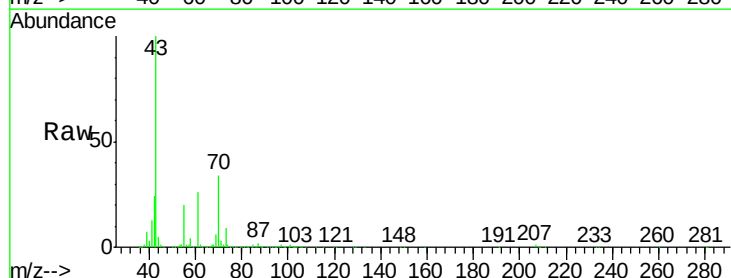
Manual Integrations
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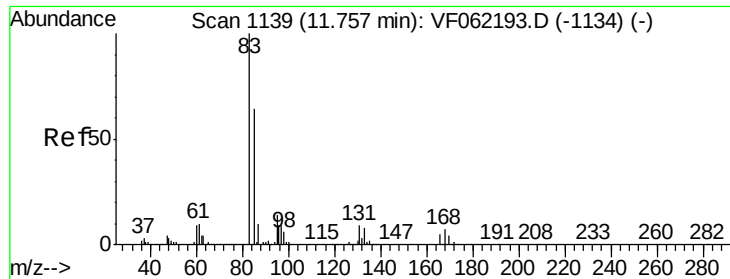
MMDadoda
4/19/2019 10:53:27 AM



#74
N-ethyl acetate
Concen: 36.853 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF062194.D
Acq: 17 Apr 2019 19:07

Tgt Ion: 43 Resp: 341762
Ion Ratio Lower Upper
43 100
70 33.7 27.0 40.4
55 19.8 15.7 23.5
61 24.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 40.715 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 244910

Ion Ratio Lower Upper

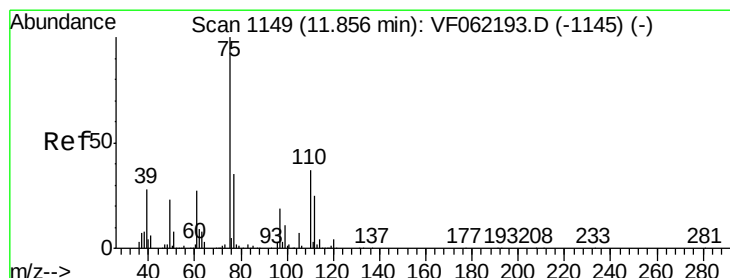
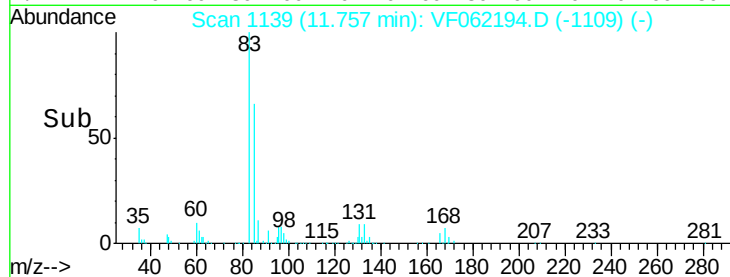
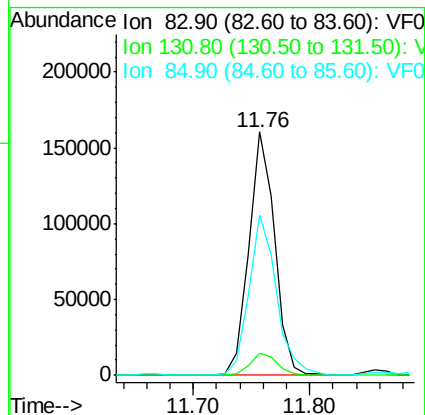
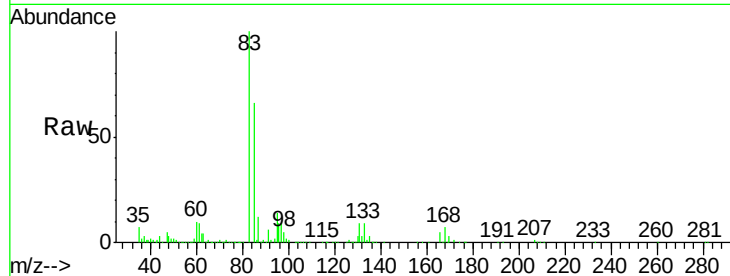
83 100

131 9.7 4.5 13.5

85 70.6 34.7 104.1

Manual Integrations
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MMDadoda
4/19/2019 10:53:27 AM



#76

1,2,3-Trichloropropane

Concen: 31.992 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062194.D

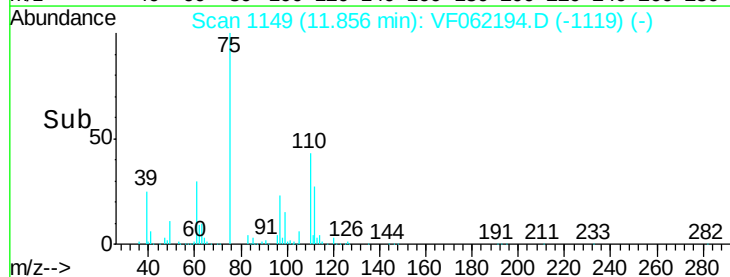
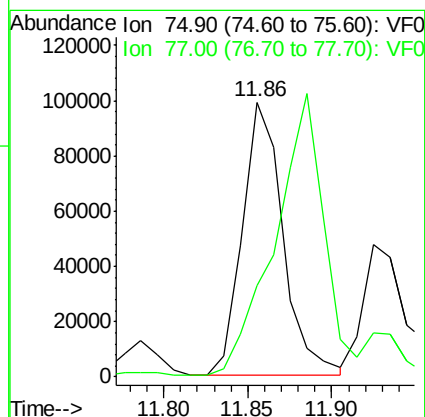
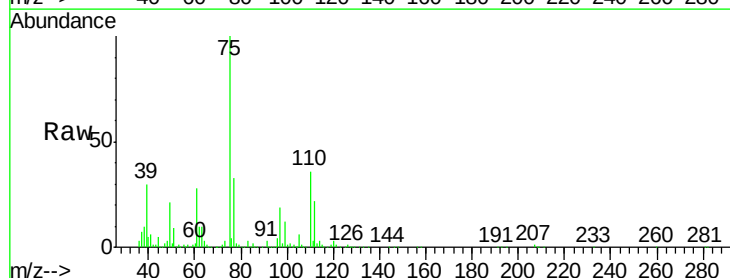
Acq: 17 Apr 2019 19:07

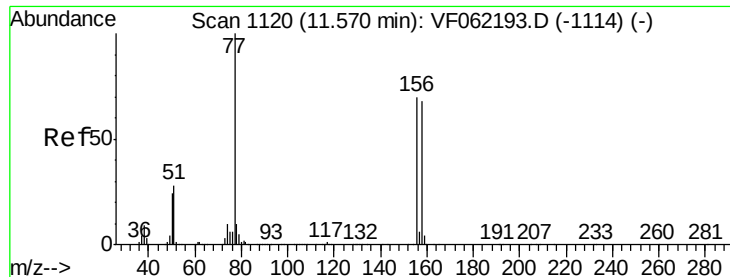
Tgt Ion: 75 Resp: 166280

Ion Ratio Lower Upper

75 100

77 0.0 7.4 22.2#





#77

Bromobenzene

Concen: 68.946 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

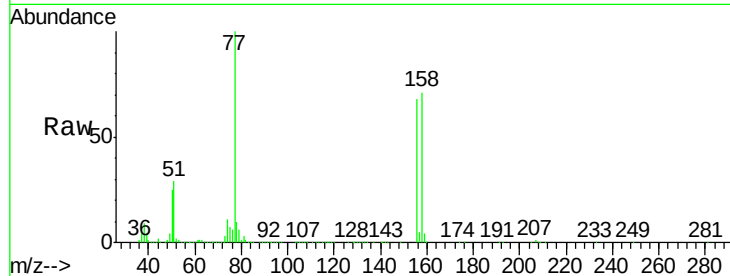
ClientSampleId :

VSTDIC075

Tot Ion:	156	Resp:	308388
Ion Ratio	Lower	Upper	
156	100		
77	160.4	80.9	242.7
158	100.3	49.8	149.4

Manual Integrations
APPROVED

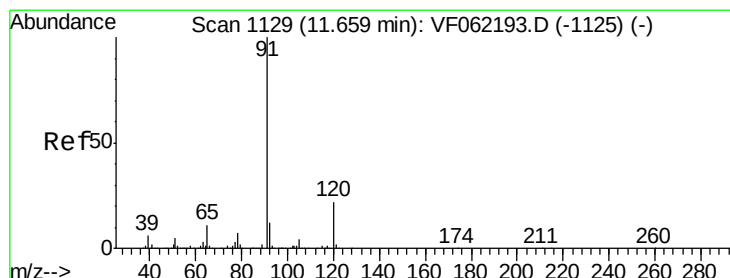
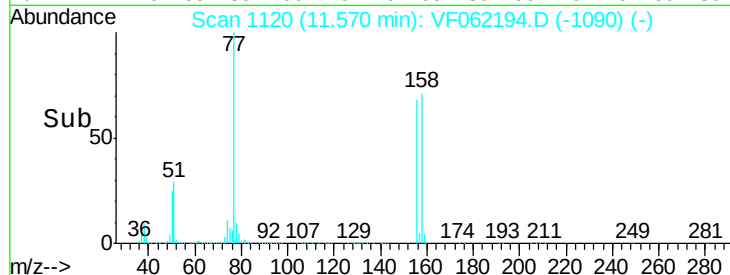
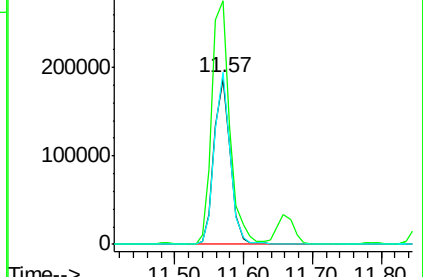
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 68.817 ug/l

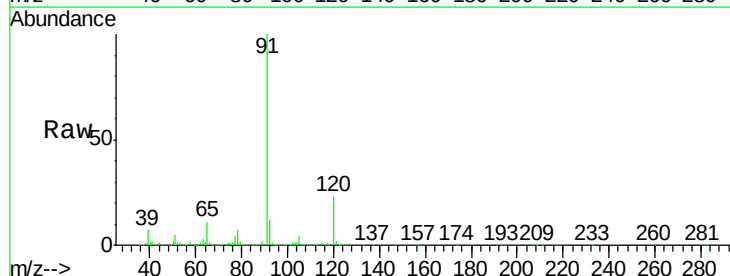
RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF062194.D

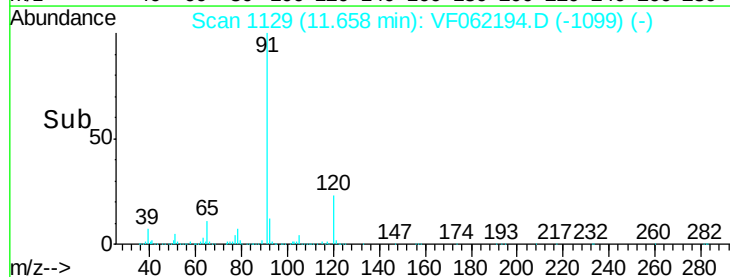
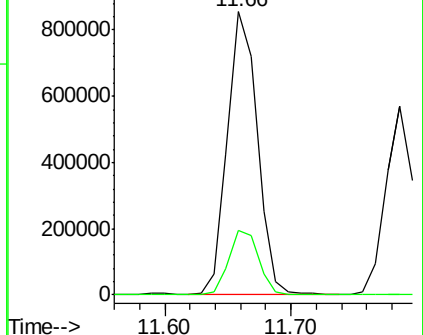
Acq: 17 Apr 2019 19:07

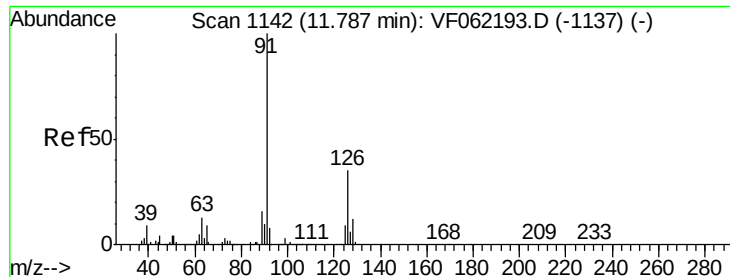
Tgt Ion:	91	Resp:	1402215
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 71.573 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 886748

Ion Ratio Lower Upper

91 100

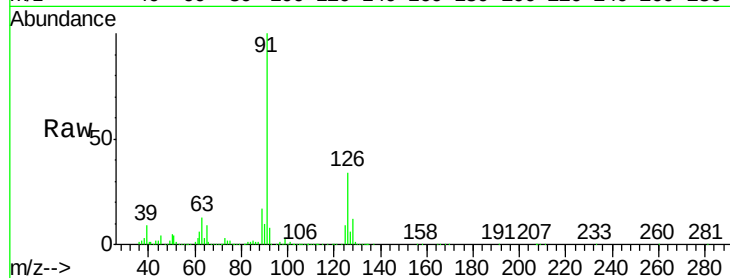
126 34.7 16.9 50.6

Manual Integrations

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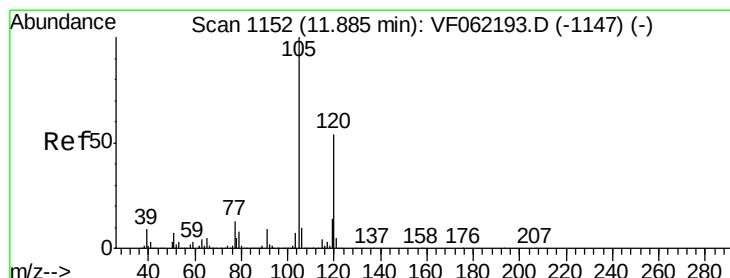
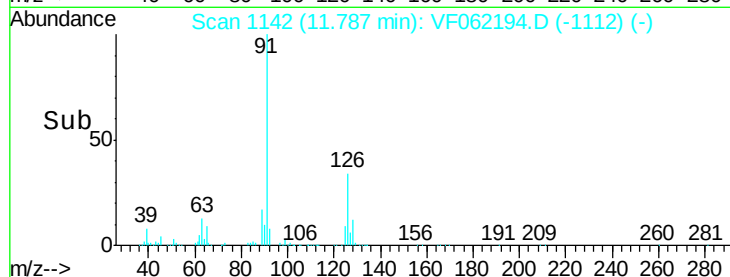
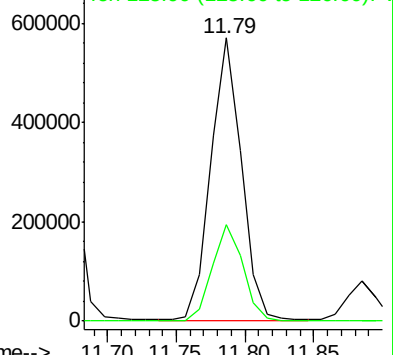
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 75.168 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062194.D

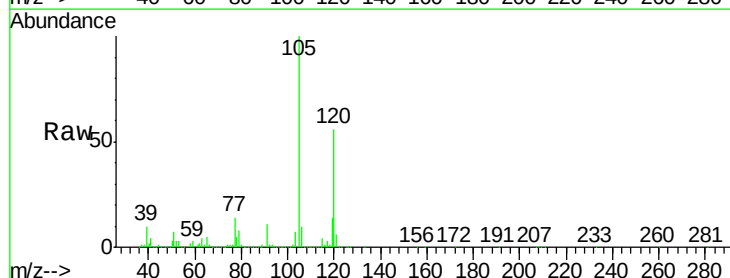
Acq: 17 Apr 2019 19:07

Tgt Ion:105 Resp: 1143040

Ion Ratio Lower Upper

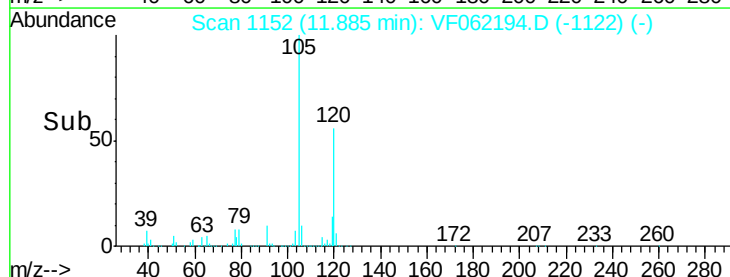
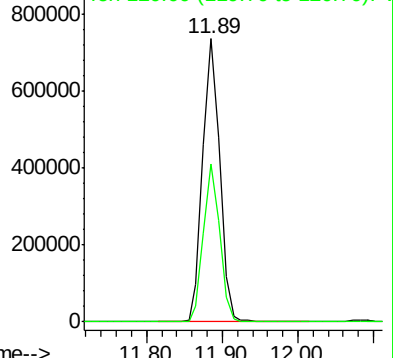
105 100

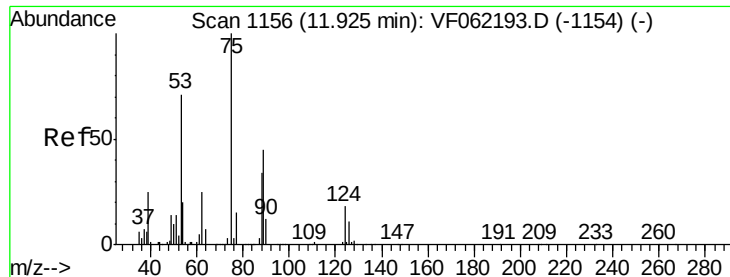
120 53.3 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 40.395 ug/l m

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 82179

Ion Ratio Lower Upper

75 100

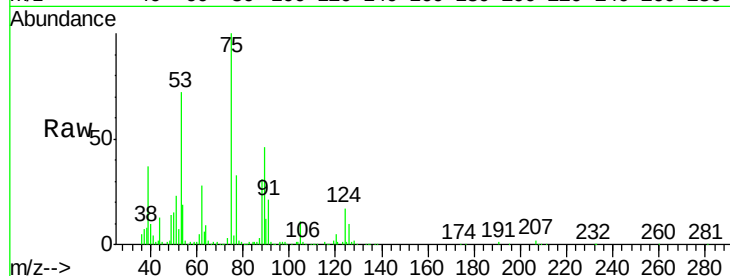
53 64.9 50.2 75.4

89 0.0 0.0 0.0

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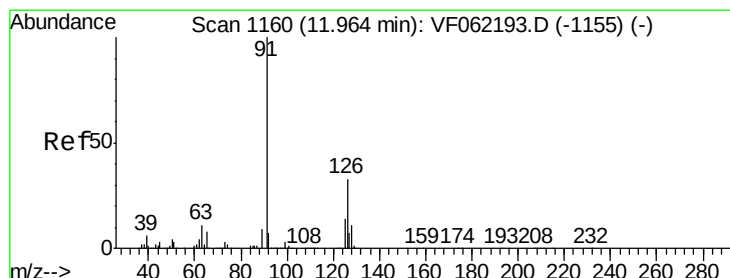
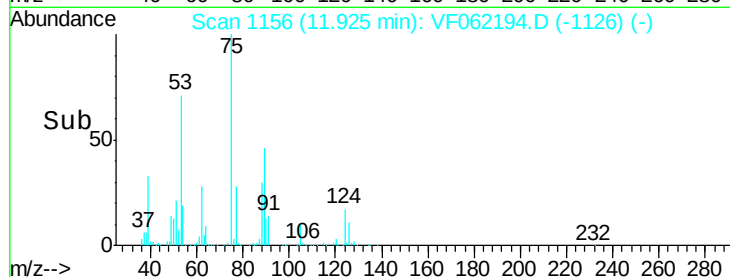
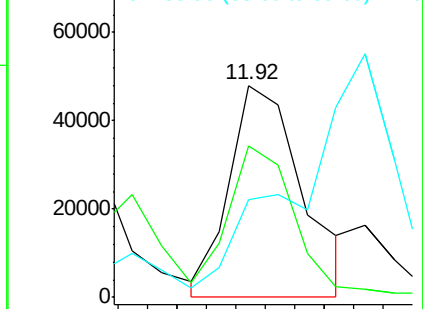
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Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 61.307 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062194.D

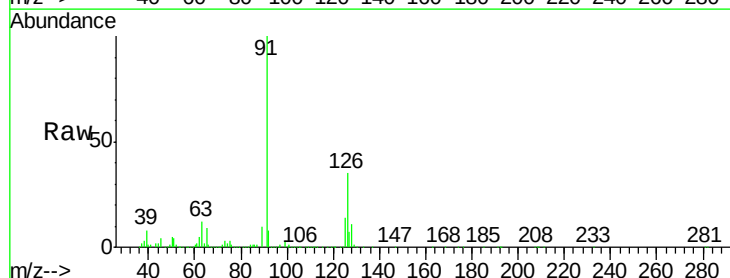
Acq: 17 Apr 2019 19:07

Tgt Ion: 91 Resp: 854052

Ion Ratio Lower Upper

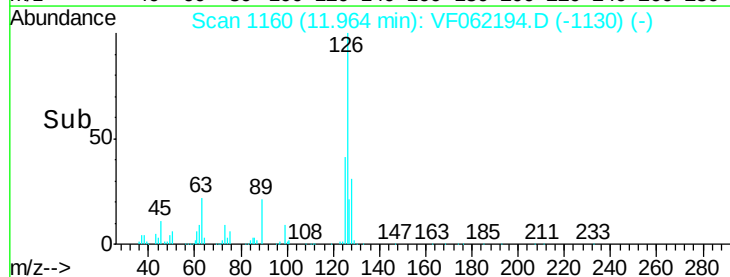
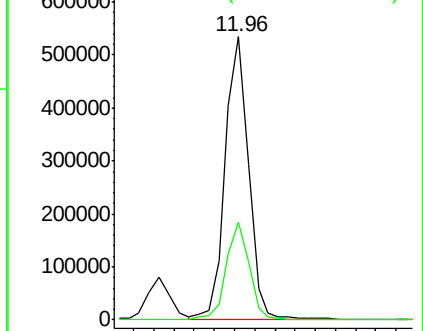
91 100

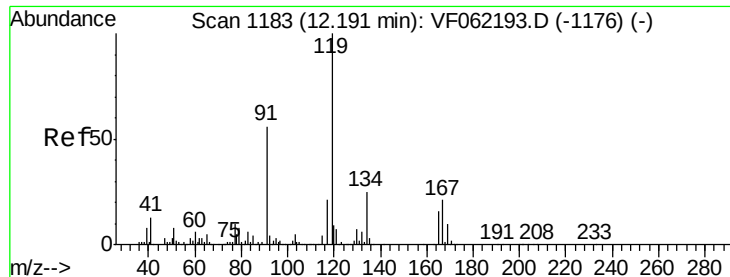
126 34.5 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 78.798 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:119 Resp: 1170107

Ion Ratio Lower Upper

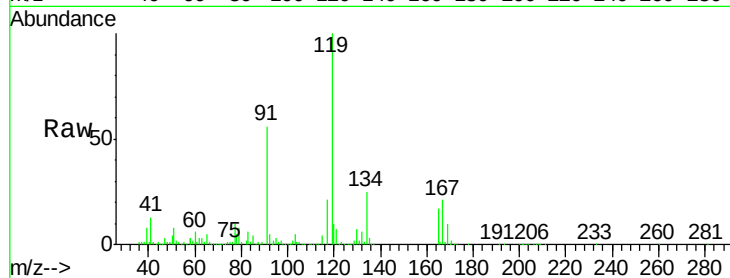
119 100

91 58.4 29.4 88.2

134 24.1 11.8 35.3

Manual Integrations
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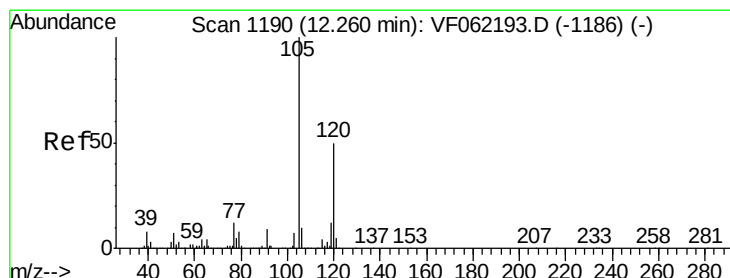
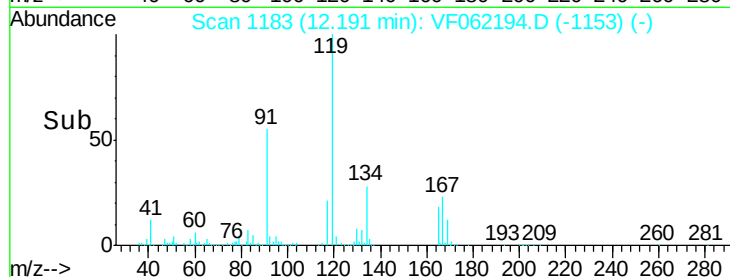
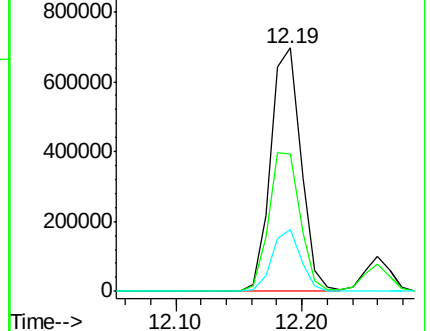
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 70.239 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VF062194.D

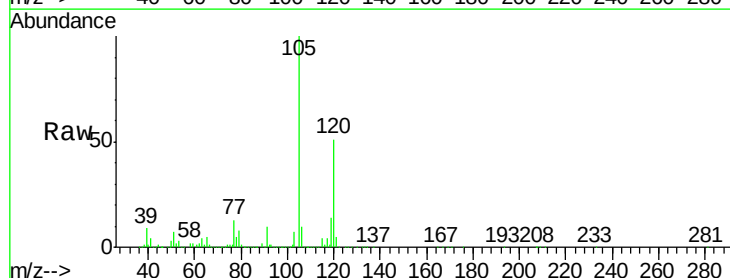
Acq: 17 Apr 2019 19:07

Tgt Ion:105 Resp: 1074285

Ion Ratio Lower Upper

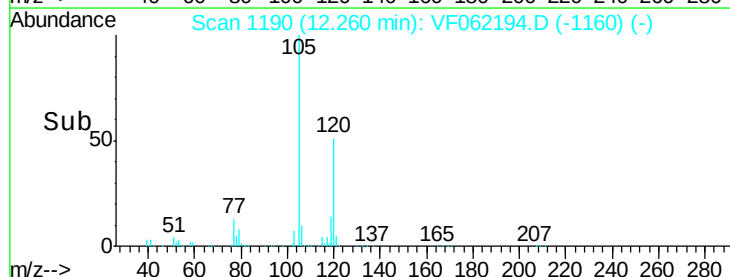
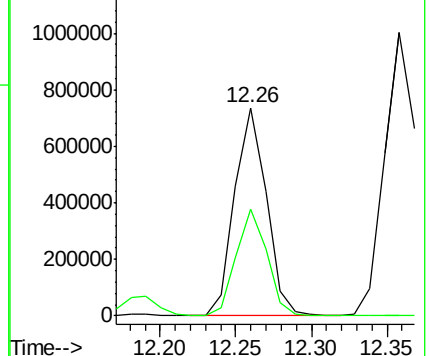
105 100

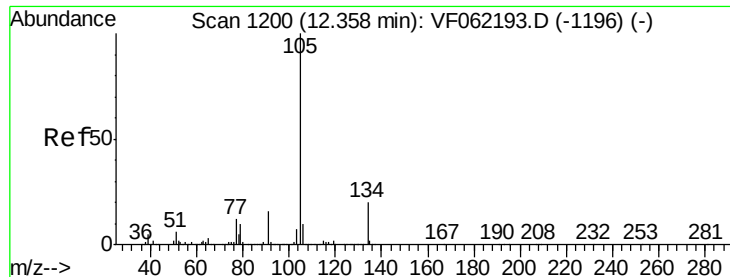
120 49.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





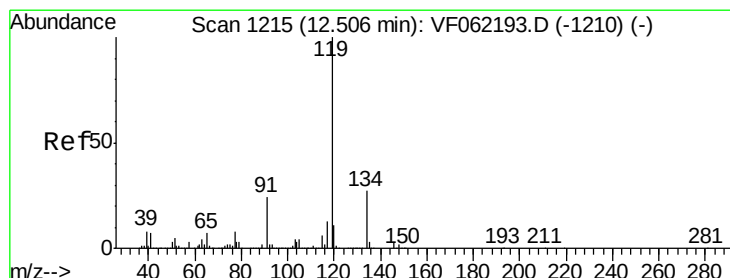
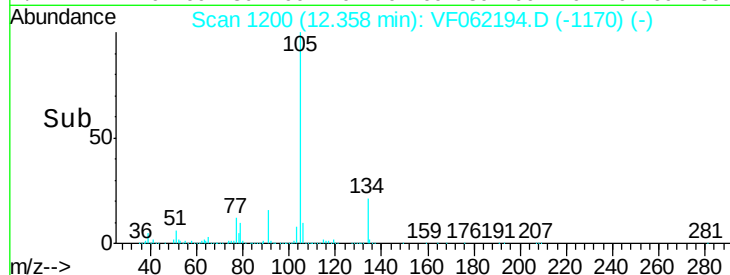
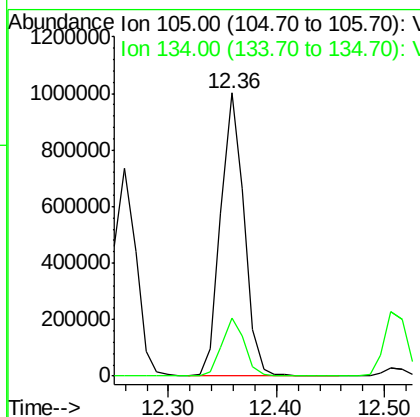
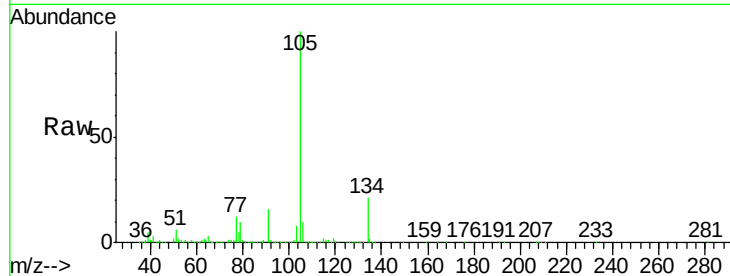
#85
 sec-Butylbenzene
 Concen: 83.493 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 1501992
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.7 29.1

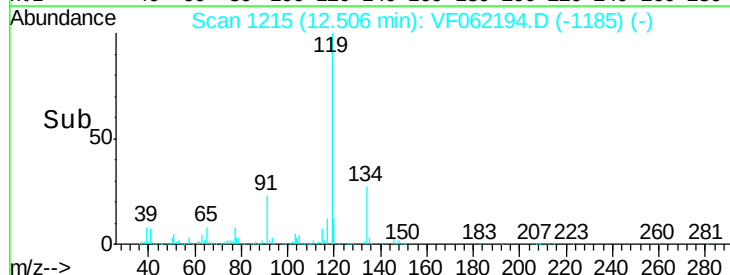
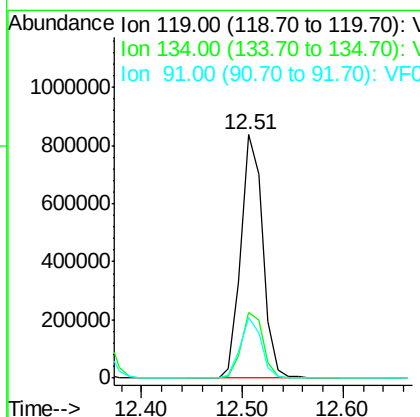
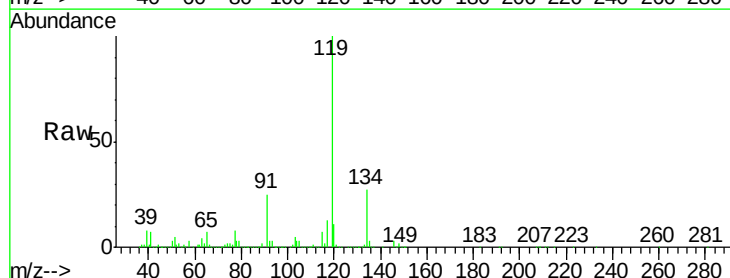
Manual Integrations
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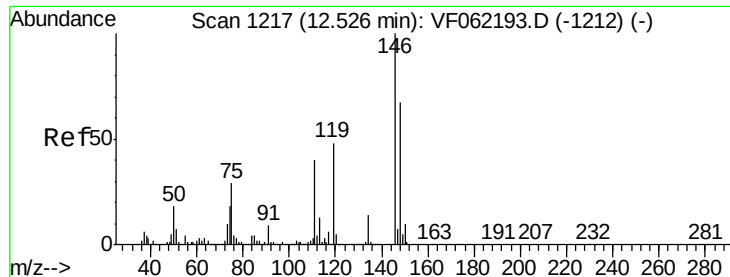
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#86
 p-Isopropyltoluene
 Concen: 77.734 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion:119 Resp: 1261531
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.2 39.5
 91 23.8 11.7 35.1





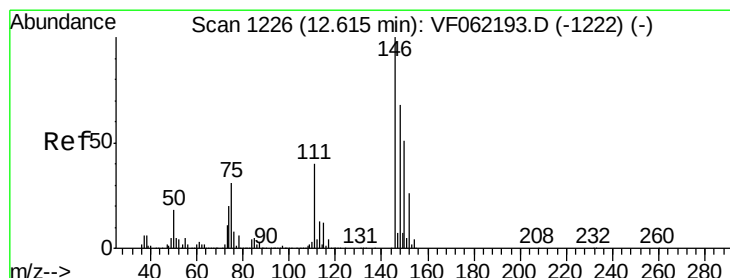
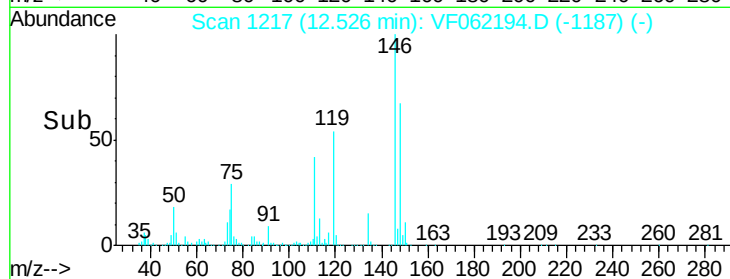
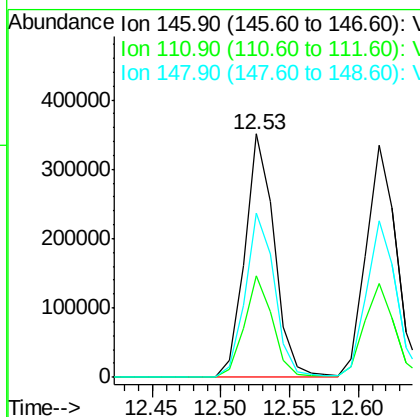
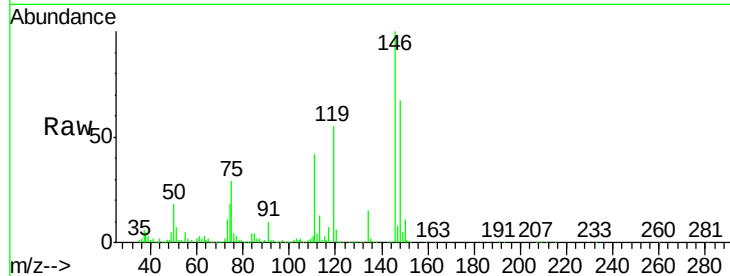
#87
 1,3-Dichlorobenzene
 Concen: 67.182 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.0
148	67.3	32.9	98.6

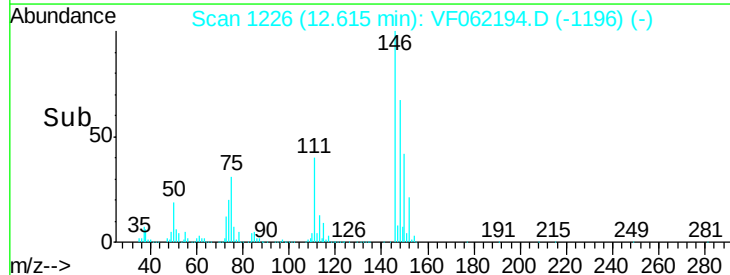
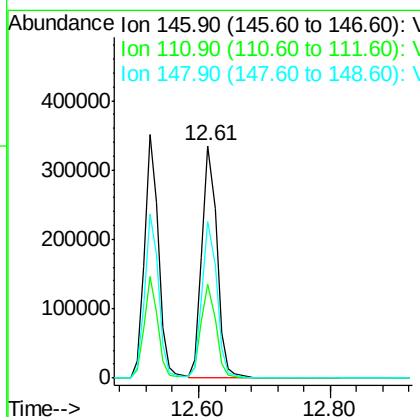
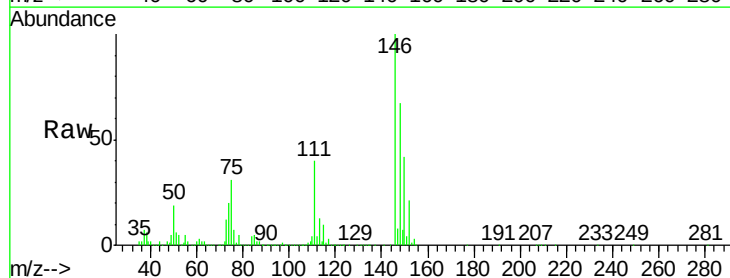
Manual Integrations
 APPROVED

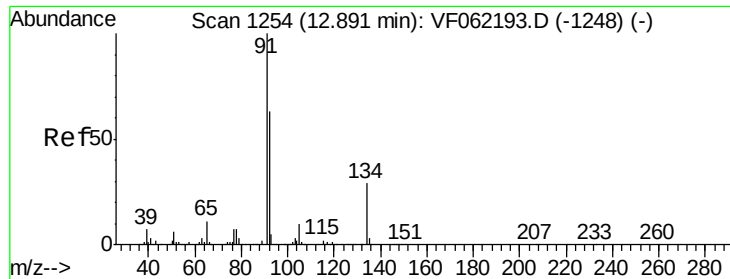
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#88
 1,4-Dichlorobenzene
 Concen: 65.124 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	66.0	33.6	100.8





#89

n-Butylbenzene

Concen: 77.732 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1158285

Ion Ratio Lower Upper

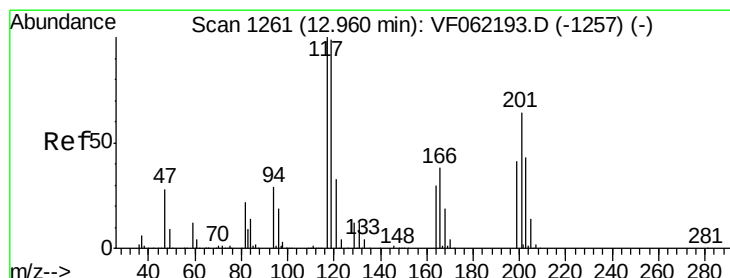
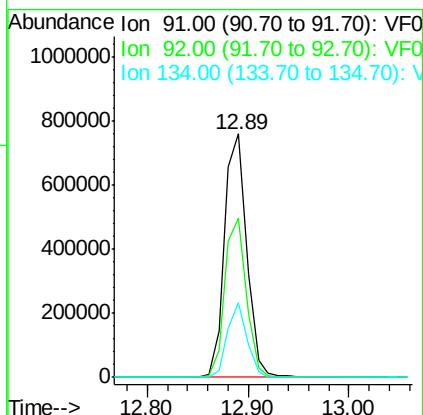
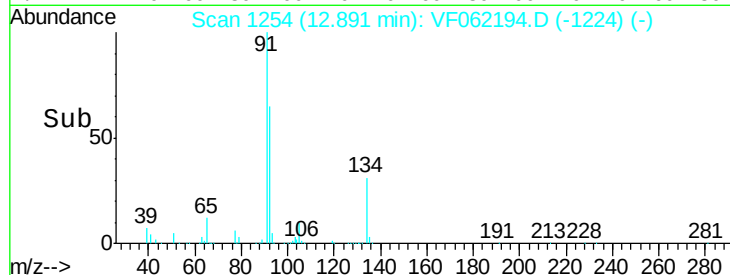
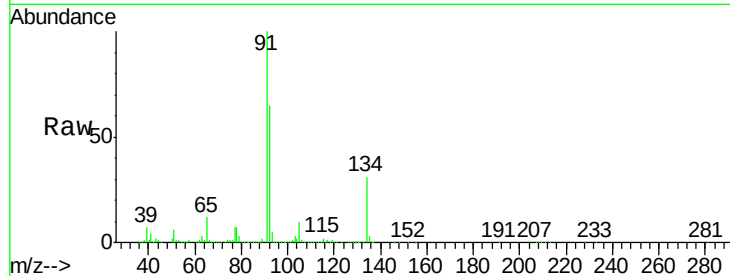
91 100

92 63.7 31.2 93.6

134 27.4 13.1 39.1

Manual Integrations
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#90

Hexachloroethane

Concen: 115.443 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VF062194.D

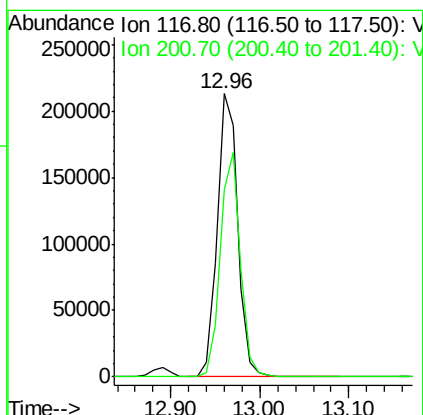
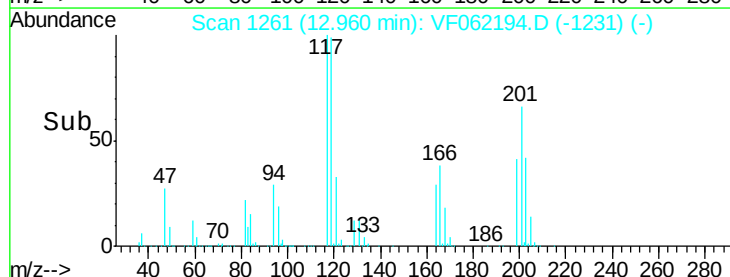
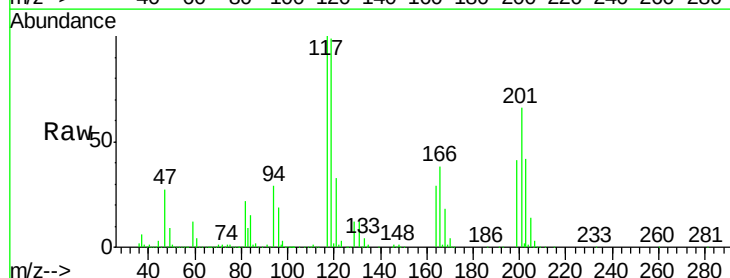
Acq: 17 Apr 2019 19:07

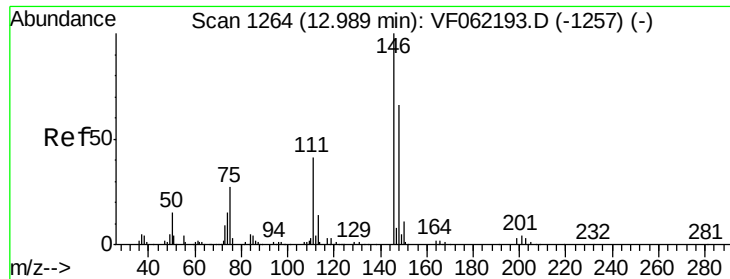
Tgt Ion: 117 Resp: 343529

Ion Ratio Lower Upper

117 100

201 78.1 37.7 113.1





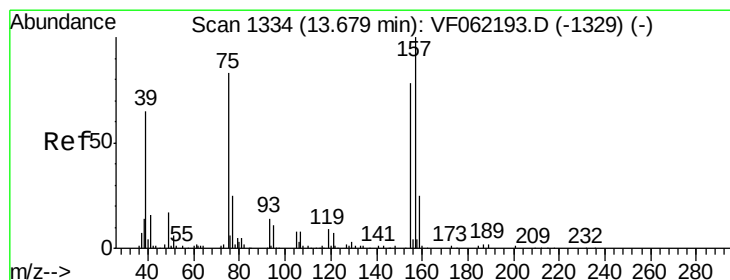
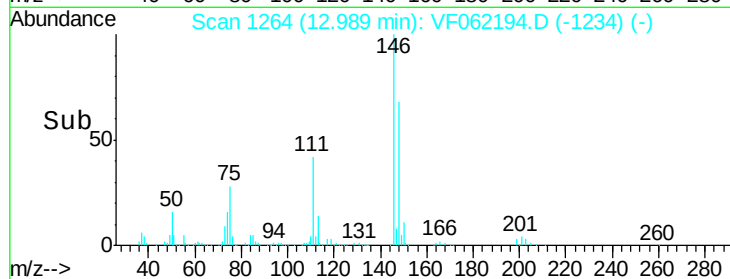
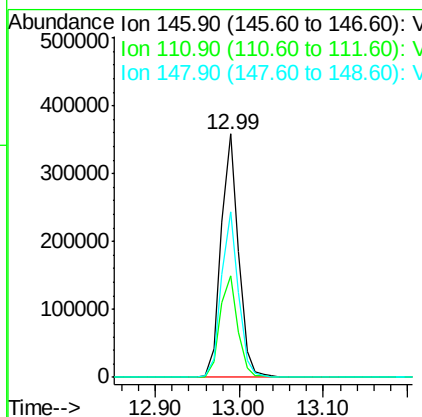
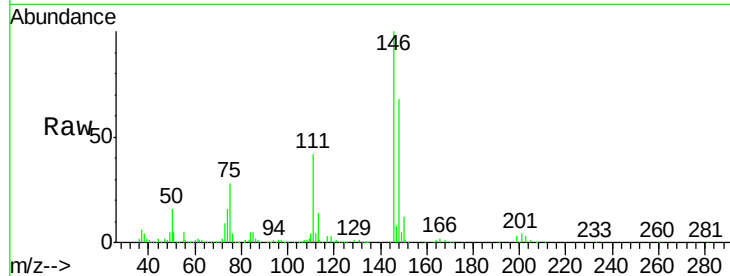
#91
 1,2-Dichlorobenzene
 Concen: 66.449 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
146	100	514399		
111	42.6	20.8	62.5	
148	67.3	33.0	99.0	

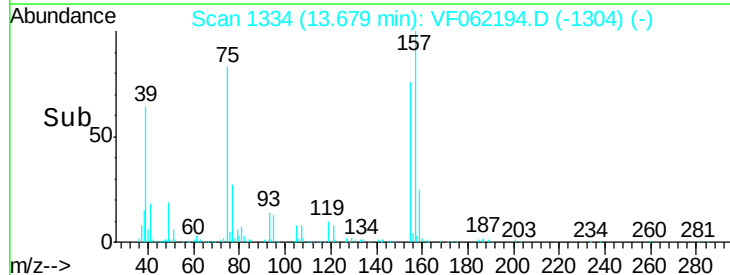
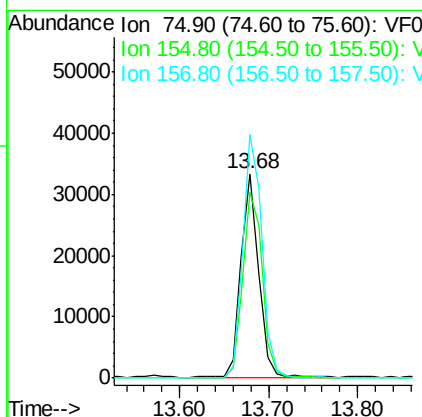
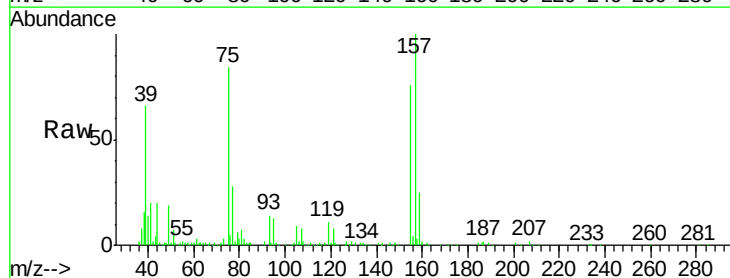
Manual Integrations
 APPROVED

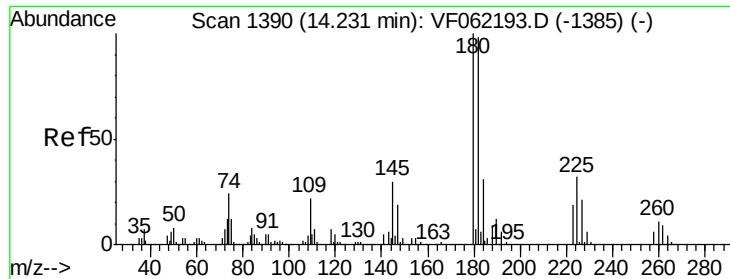
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 4/19/2019 10:53:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 33.774 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45717		
155	101.1	47.6	142.8	
157	128.5	61.3	183.9	





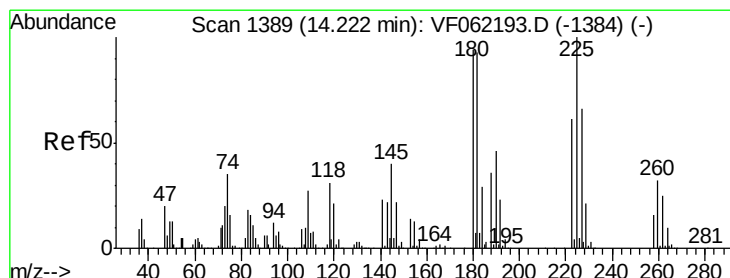
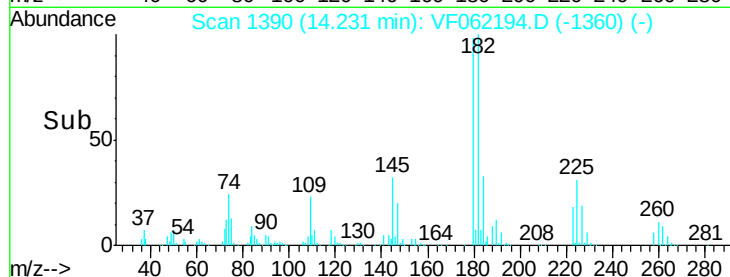
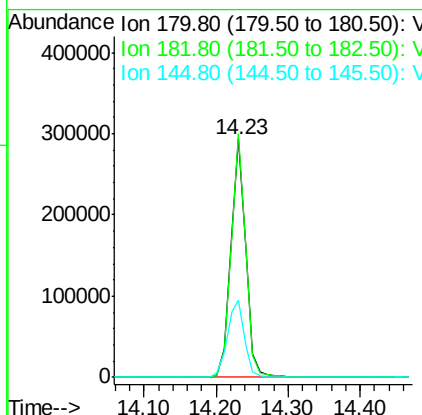
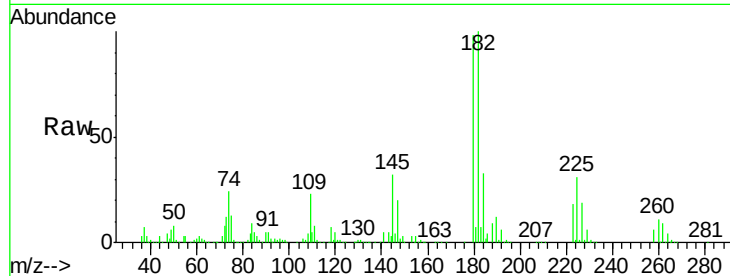
#93
 1,2,4-Trichlorobenzene
 Concen: 74.108 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.5	49.3	147.9	
145	36.7	18.1	54.4	

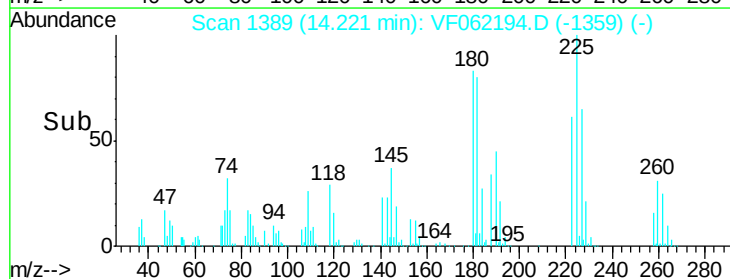
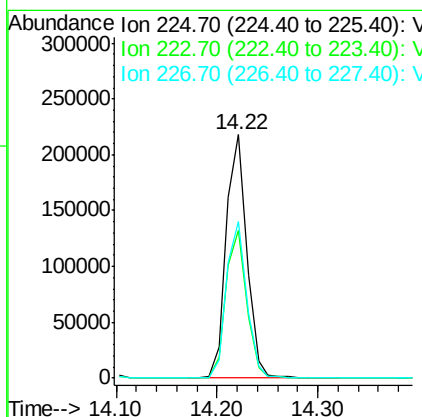
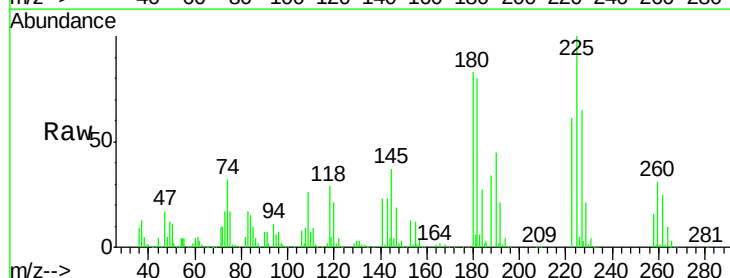
Manual Integrations
 APPROVED

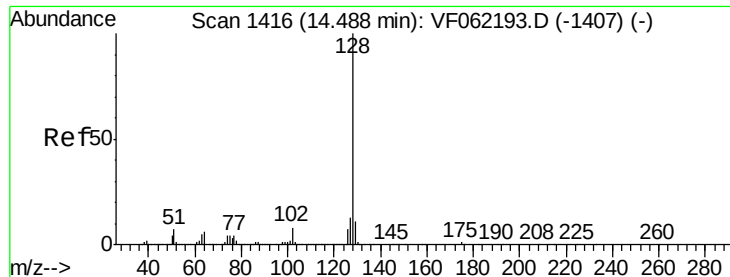
MMDadoda
 4/19/2019 10:53:27 AM



#94
 Hexachlorobutadiene
 Concen: 100.982 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062194.D
 Acq: 17 Apr 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	31.0	93.0	
227	63.9	32.4	97.0	





#95

Naphthalene

Concen: 48.226 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Instrument :

MSVOA_F

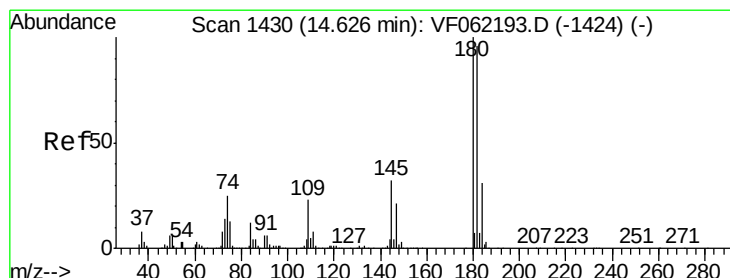
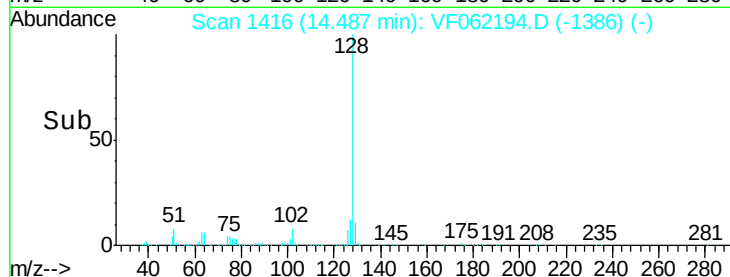
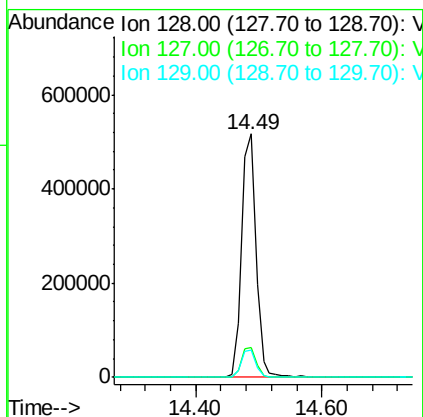
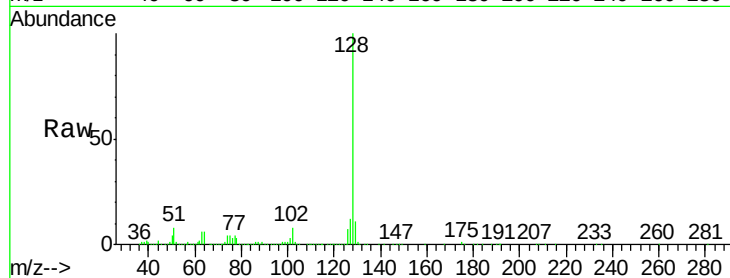
ClientSampleId :

VSTDIC075

Tot Ion:	128	Resp:	811737
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.4	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
4/19/2019 10:53:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 75.646 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.00 min

Lab File: VF062194.D

Acq: 17 Apr 2019 19:07

Tgt Ion:	180	Resp:	429552
Ion Ratio	Lower	Upper	
180	100		
182	98.5	48.4	145.3
145	31.4	15.6	46.8

