

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062195.D
 Acq On : 17 Apr 2019 19:35
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:33 AM

Quant Time: Apr 18 07:43:55 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	421407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	622444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	527746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	262783	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	376010	66.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.98%	
35) Dibromofluoromethane	4.30	113	489008	114.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	229.12%	
50) Toluene-d8	7.70	98	1288314	82.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	165.56%	
62) 4-Bromofluorobenzene	11.48	95	507499	91.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	183.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	609268	120.547	ug/l	97
3) Chloromethane	1.15	50	643949	105.727	ug/l	99
4) Vinyl Chloride	1.19	62	564007	97.356	ug/l	100
5) Bromomethane	1.39	94	310063	81.336	ug/l	96
6) Chloroethane	1.43	64	207080	63.325	ug/l	99
7) Trichlorofluoromethane	1.56	101	697286	101.331	ug/l	92
8) Diethyl Ether	1.70	74	143811	50.103	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.89	101	486140	108.976	ug/l	99
10) Methyl Iodide	1.97	142	869504	168.597	ug/l	91
11) Tert butyl alcohol	2.69	59	133289	119.209	ug/l	98
12) 1,1-Dichloroethene	1.86	96	441782	96.603	ug/l	98
13) Acrolein	2.10	56	61934	66.455	ug/l	97
14) Allyl chloride	2.19	41	517829m	56.963	ug/l	
15) Acrylonitrile	3.07	53	375709	127.546	ug/l	98
16) Acetone	2.34	43	417234	152.657	ug/l	100
17) Carbon Disulfide	1.92	76	1313965m	92.860	ug/l	
18) Methyl Acetate	2.45	43	189706	27.620	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	818563	54.960	ug/l	98
20) Methylene Chloride	2.31	84	430271	81.914	ug/l	99
21) trans-1,2-Dichloroethene	2.41	96	443487	91.543	ug/l	97
22) Diisopropyl ether	2.93	45	1330775	72.584	ug/l	98
23) Vinyl Acetate	3.33	43	3127269	205.776	ug/l	99
24) 1,1-Dichloroethane	3.00	63	744544	80.125	ug/l	99
25) 2-Butanone	4.51	43	876173	198.309	ug/l	98
26) 2,2-Dichloropropane	3.76	77	364267	54.755	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	582255	103.344	ug/l	97
28) Bromochloromethane	3.89	49	342519	78.837	ug/l #	97
29) Tetrahydrofuran	4.26	42	392962	135.117	ug/l	98
30) Chloroform	4.04	83	882979	100.655	ug/l	95
31) Cyclohexane	3.86	56	857633	91.014	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	685018	99.753	ug/l #	89
36) 1,1-Dichloropropene	4.45	75	695758	104.259	ug/l	100
37) Ethyl Acetate	4.29	43	320448	42.934	ug/l #	98
38) Carbon Tetrachloride	4.17	117	692669m	124.227	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	839896	104.227	ug/l	96
40) Benzene	4.81	78	1833806	95.824	ug/l	99
41) Methacrylonitrile	4.92	41	188661	43.713	ug/l	93
42) 1,2-Dichloroethane	5.11	62	514463	78.965	ug/l	98
43) Isopropyl Acetate	7.10	43	387351	32.941	ug/l	99
44) Trichloroethene	5.67	130	488314	101.715	ug/l	100
45) 1,2-Dichloropropane	6.40	63	443627	86.694	ug/l	100
46) Dibromomethane	6.25	93	281427	91.752	ug/l	98
47) Bromodichloromethane	6.53	83	637374	104.690	ug/l	99
48) Methyl methacrylate	6.86	41	243796	41.321	ug/l	98
49) 1,4-Dioxane	6.86	88	53370	488.025	ug/l	98
51) 4-Methyl-2-Pentanone	8.39	43	1280459	169.477	ug/l	97
52) Toluene	7.77	92	1026814	90.829	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	490700	74.914	ug/l	93
54) cis-1,3-Dichloropropene	7.44	75	644734	85.426	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	299510	70.300	ug/l	97
56) Ethyl methacrylate	8.74	69	355819	48.908	ug/l	99
57) 1,3-Dichloropropane	8.98	76	492664	65.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	496129	130.605	ug/l	97
59) 2-Hexanone	9.61	43	898221	155.826	ug/l	96
60) Dibromochloromethane	8.84	129	444489	103.210	ug/l	97
61) 1,2-Dibromoethane	9.12	107	346180	78.097	ug/l	98
64) Tetrachloroethene	8.29	164	439657	105.549	ug/l	99
65) Chlorobenzene	9.91	112	1092492	96.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	461447	110.811	ug/l	99
67) Ethyl Benzene	10.01	91	1848421	90.394	ug/l	97
68) m/p-Xylenes	10.25	106	1409443	189.436	ug/l	88
69) o-Xylene	10.80	106	757884	101.591	ug/l	91
70) Styrene	10.88	104	1081279	87.479	ug/l	99
71) Bromoform	10.86	173	254462	83.082	ug/l #	100
73) Isopropylbenzene	11.21	105	1976863	96.374	ug/l	97
74) N-amyl acetate	11.43	43	531643	50.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	365176	53.850	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	255076	43.533	ug/l #	64
77) Bromobenzene	11.57	156	468532	92.916	ug/l	98
78) n-propylbenzene	11.66	91	2089518	90.963	ug/l	96
79) 2-Chlorotoluene	11.79	91	1299795	93.060	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	1605149	93.632	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	128533m	56.043	ug/l	
82) 4-Chlorotoluene	11.96	91	1263718	80.466	ug/l	95
83) tert-Butylbenzene	12.19	119	1671460	99.845	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	1559903	90.468	ug/l	95
85) sec-Butylbenzene	12.36	105	2120430	104.554	ug/l	96
86) p-Isopropyltoluene	12.51	119	1773484	96.934	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	799104	90.334	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	804722	89.935	ug/l	99
89) n-Butylbenzene	12.89	91	1617819	96.306	ug/l	95
90) Hexachloroethane	12.96	117	494522	147.410	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	757805	86.833	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	69237	45.372	ug/l	92

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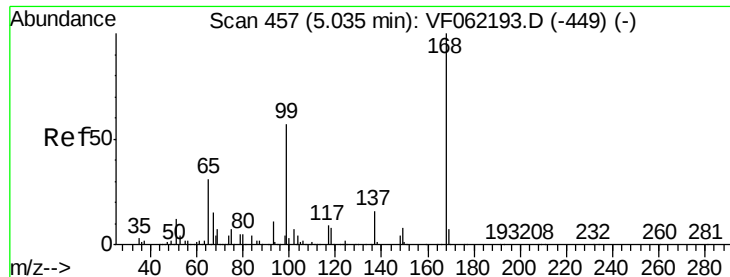
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	630144	97.736	ug/l	99
94) Hexachlorobutadiene	14.22	225	455628	131.461	ug/l	99
95) Naphthalene	14.49	128	1207530	63.635	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	628940	98.246	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 421407

Ion Ratio Lower Upper

168 100

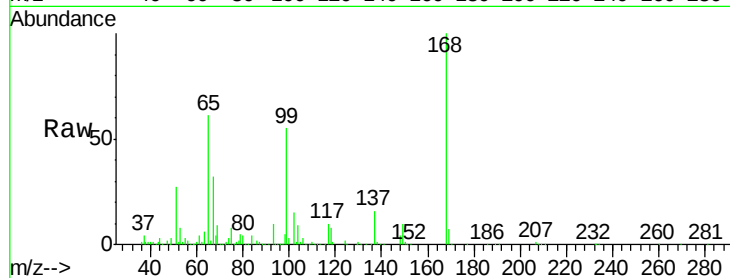
99 55.1 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

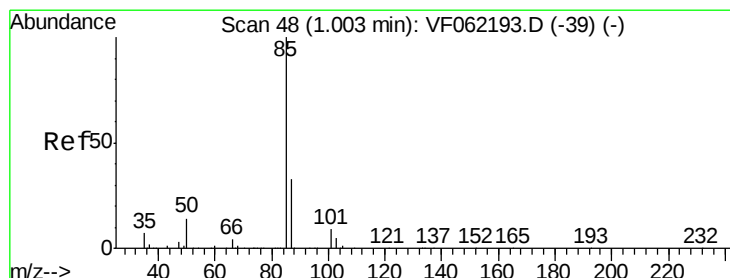
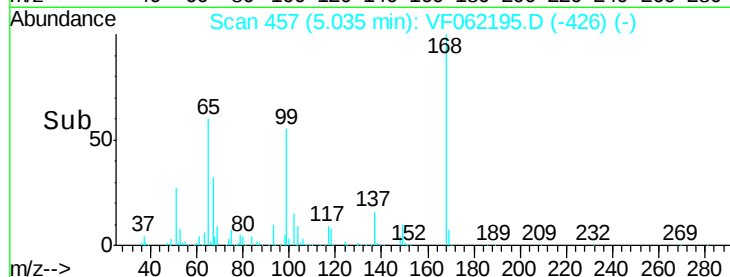
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 120.547 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062195.D

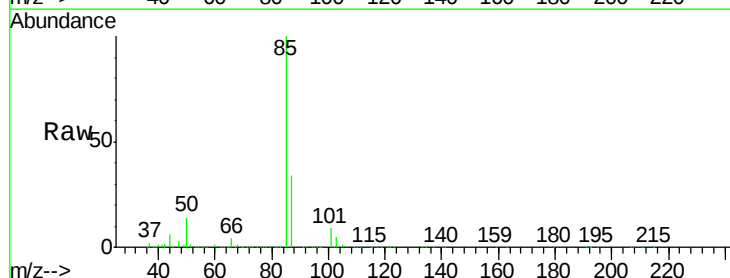
Acq: 17 Apr 2019 19:35

Tgt Ion: 85 Resp: 609268

Ion Ratio Lower Upper

85 100

87 34.3 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

200000

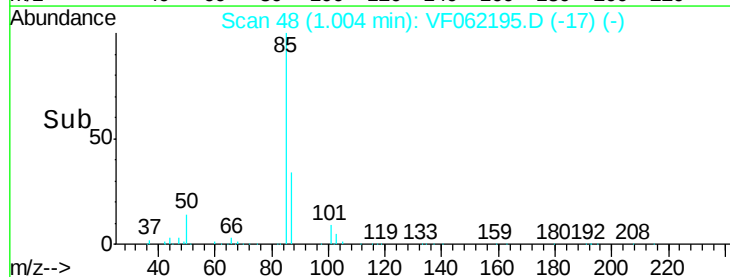
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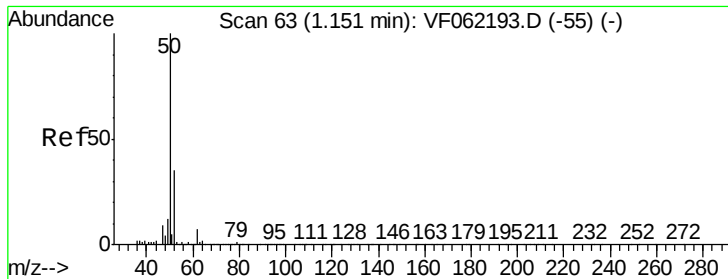
100000

50000

0

Time-->





#3

Chloromethane

Concen: 105.727 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 643949

Ion Ratio Lower Upper

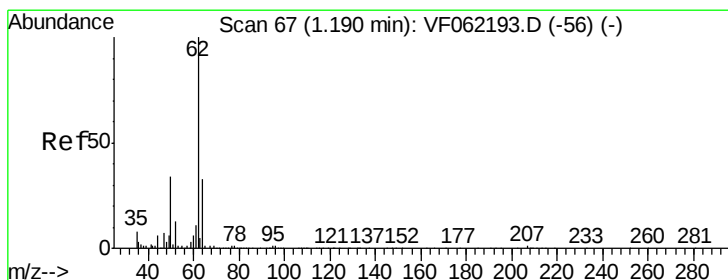
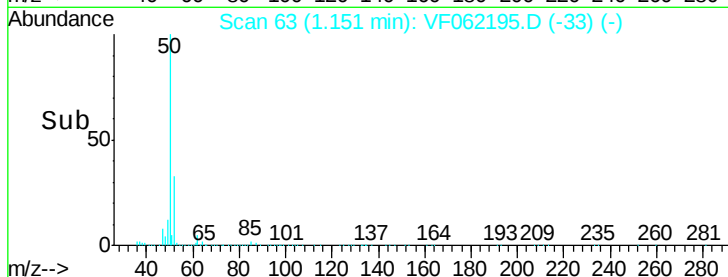
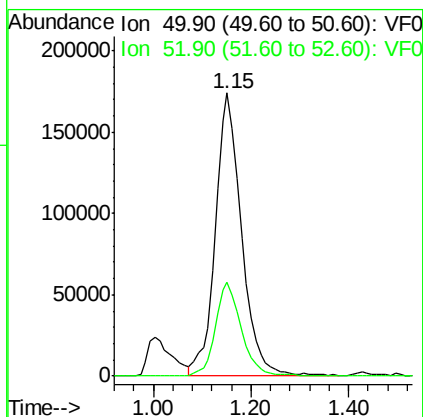
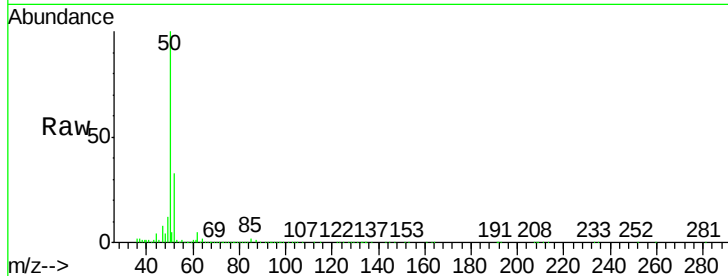
50 100

52 33.0 27.0 40.4

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4/19/2019 10:53:33 AM



#4

Vinyl Chloride

Concen: 97.356 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062195.D

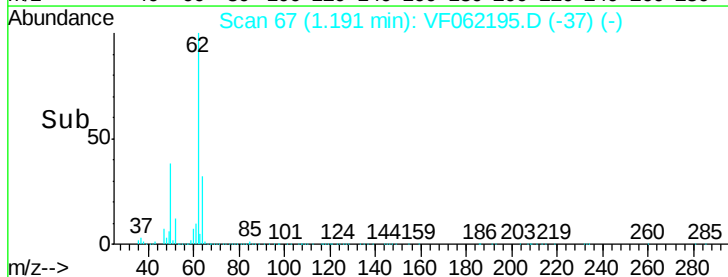
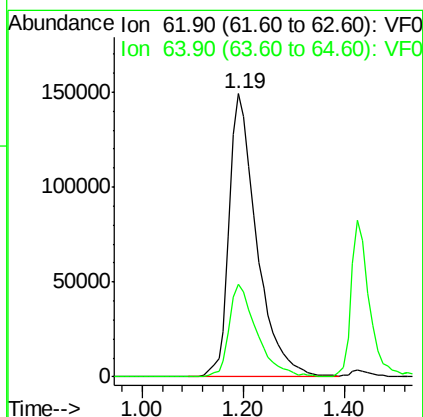
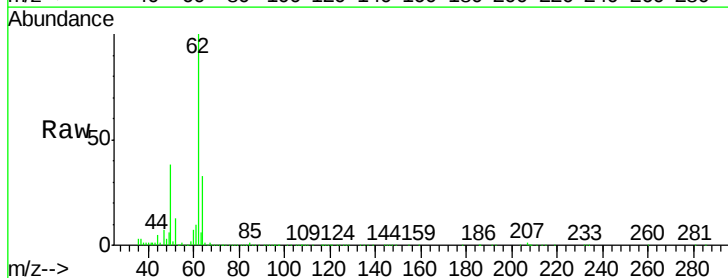
Acq: 17 Apr 2019 19:35

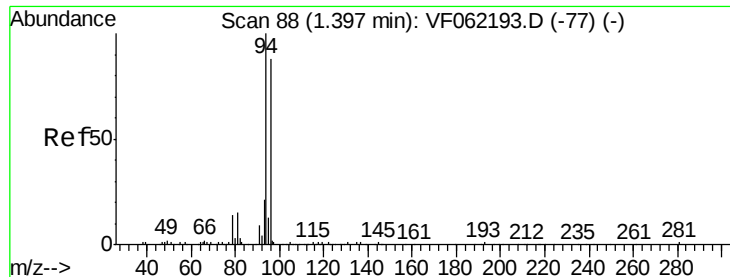
Tgt Ion: 62 Resp: 564007

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4





#5

Bromomethane

Concen: 81.336 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 310063

Ion Ratio Lower Upper

94 100

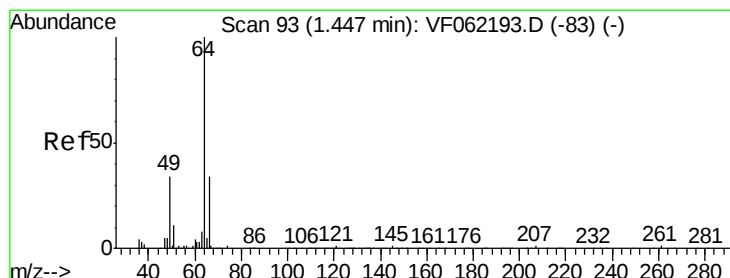
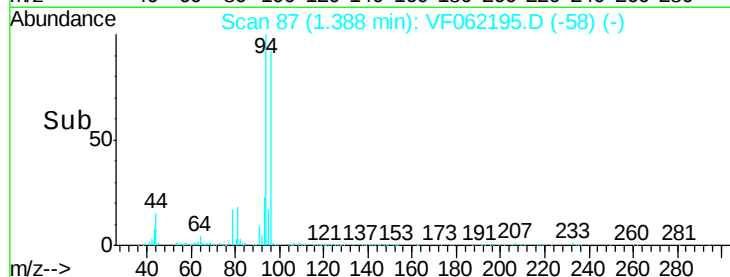
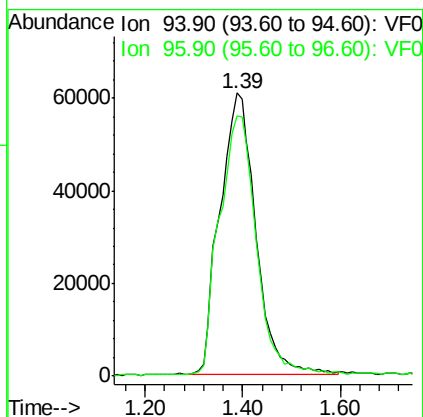
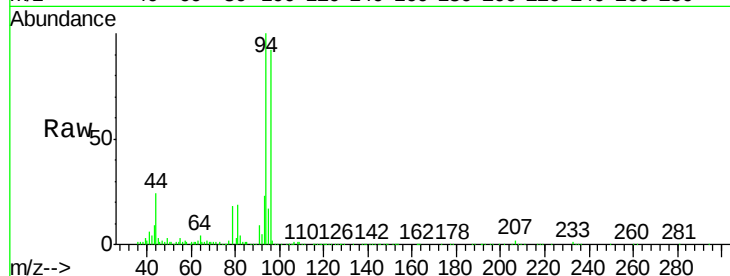
96 92.0 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 63.325 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.02 min

Lab File: VF062195.D

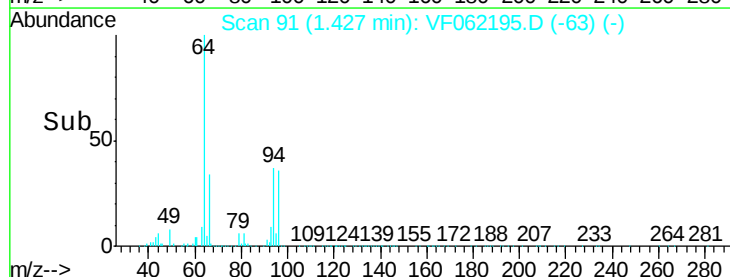
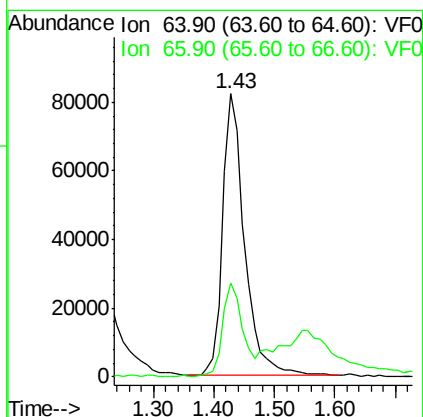
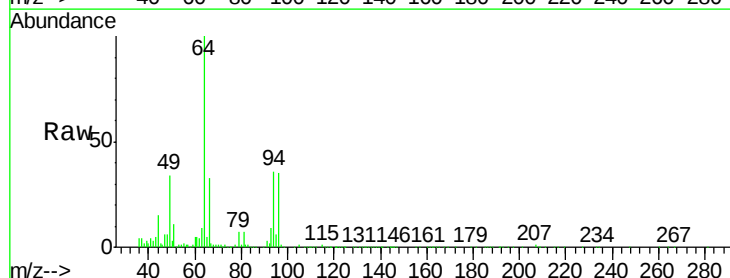
Acq: 17 Apr 2019 19:35

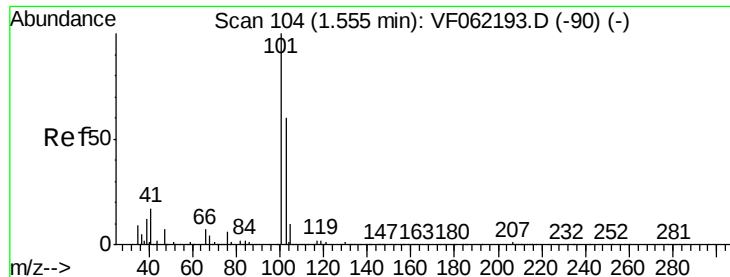
Tgt Ion: 64 Resp: 207080

Ion Ratio Lower Upper

64 100

66 33.0 27.0 40.4





#7

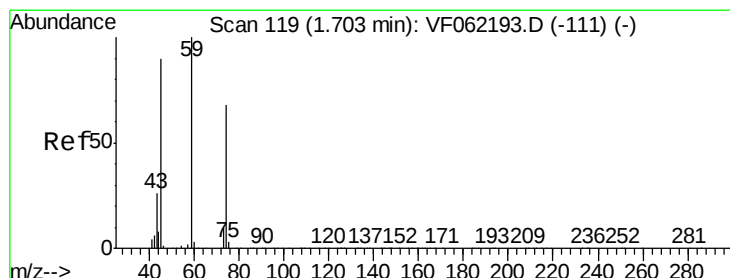
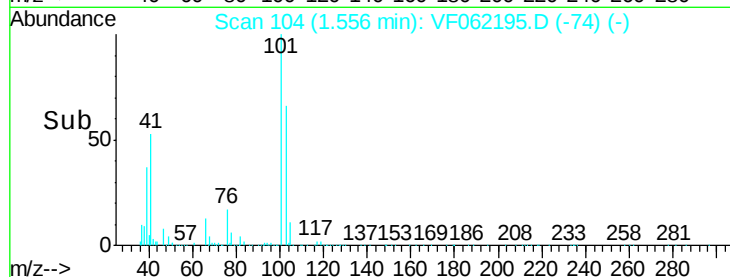
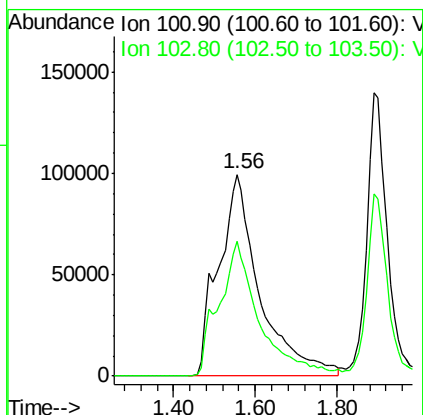
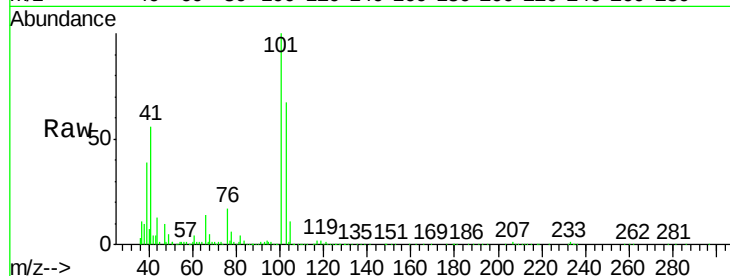
Trichlorofluoromethane
Concen: 101.331 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	48.2	72.4

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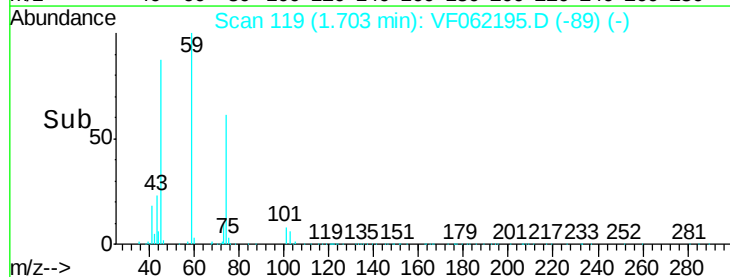
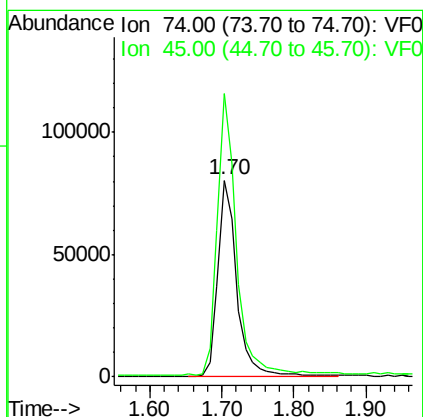
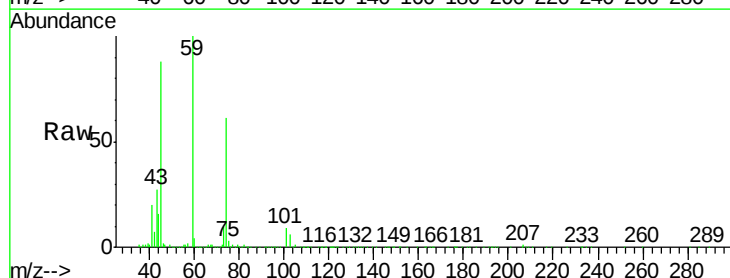
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4/19/2019 10:53:33 AM

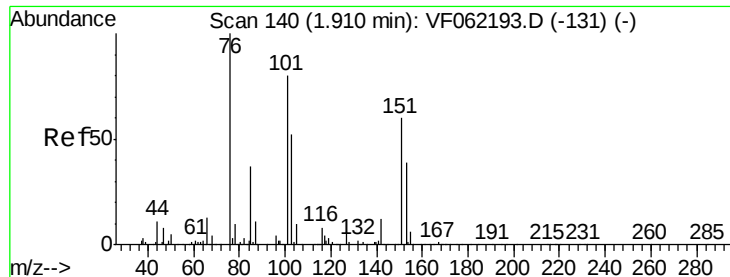


#8

Diethyl Ether
Concen: 50.103 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	145.5	70.0	210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.976 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

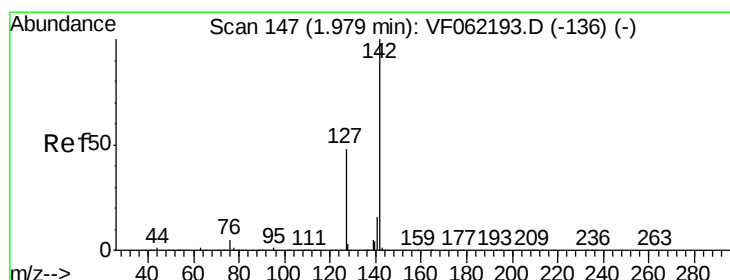
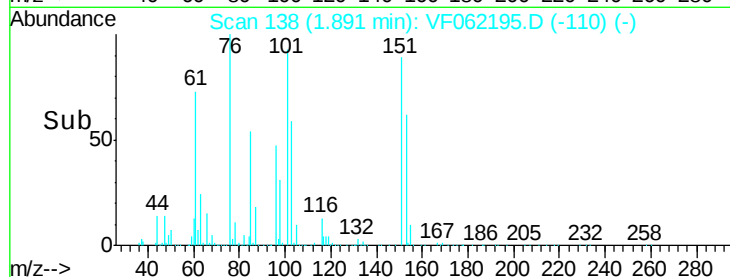
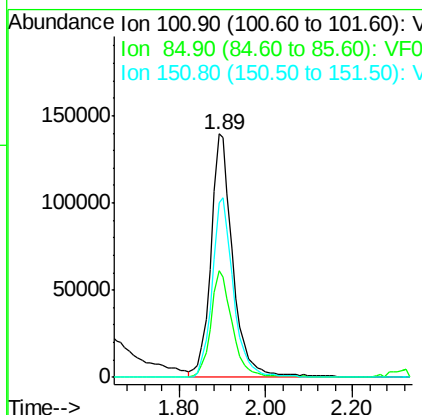
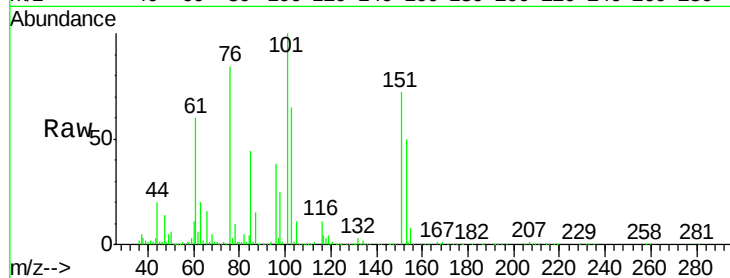
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	486140
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.3	52.9
151	72.6	57.5	86.3

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4/19/2019 10:53:33 AM



#10

Methyl Iodide

Concen: 168.597 ug/l

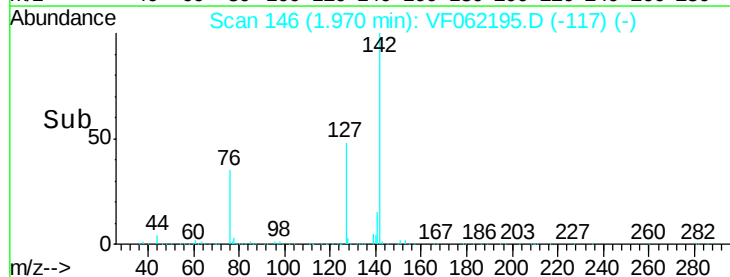
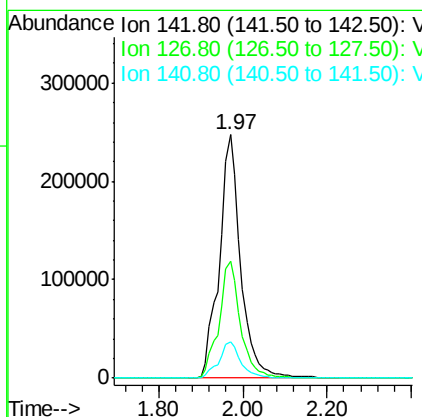
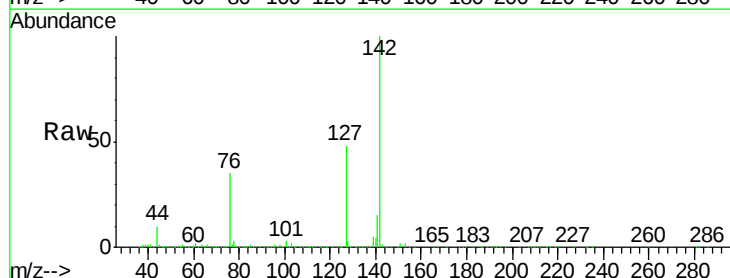
RT: 1.97 min Scan# 146

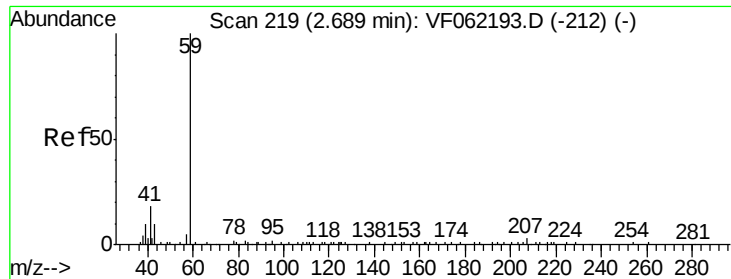
Delta R.T. -0.01 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion:	142	Resp:	869504
Ion Ratio	Lower	Upper	
142	100		
127	48.6	33.0	49.4
141	15.1	12.7	19.1





#11

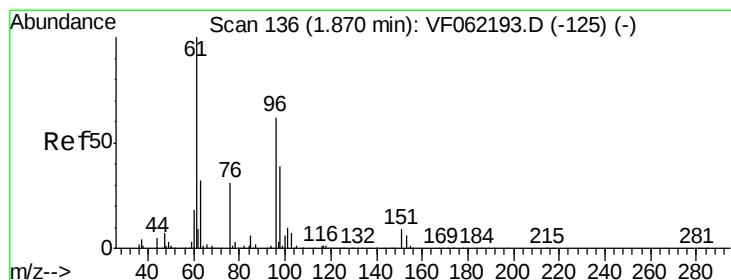
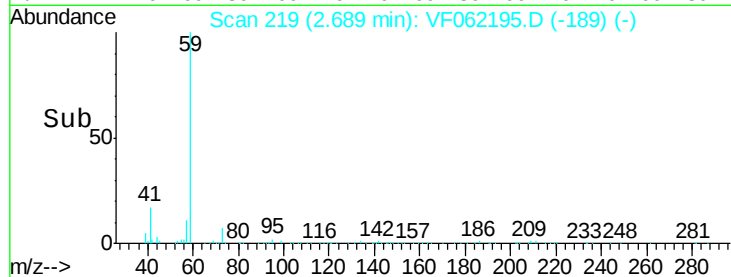
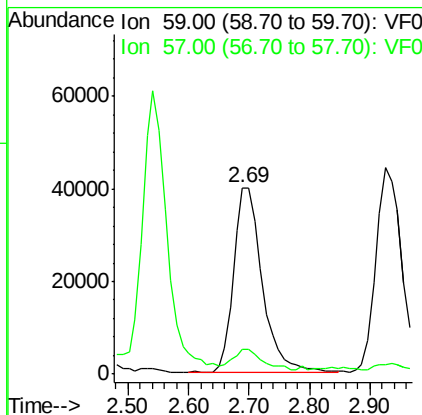
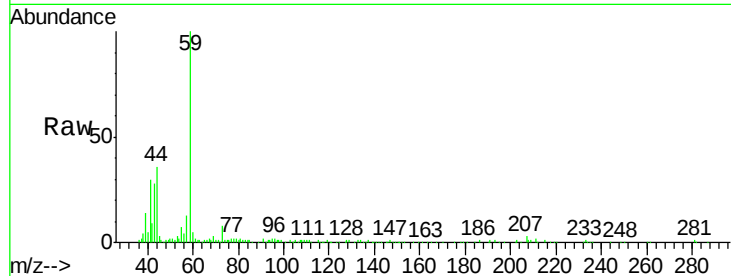
Tert butyl alcohol
Concen: 119.209 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.9	9.3	13.9

Manual Integrations
APPROVED

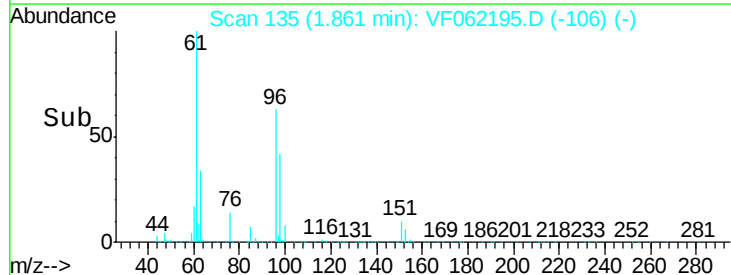
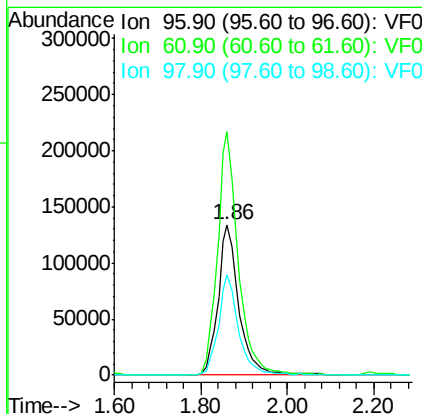
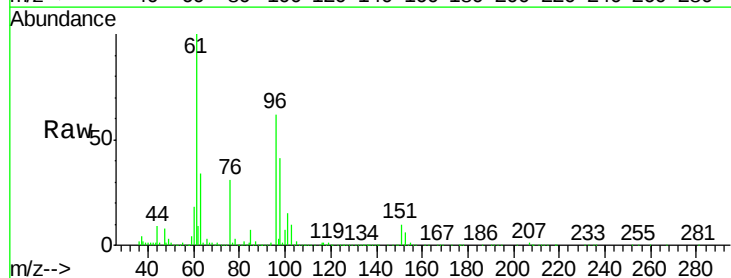
MMDadoda
4/19/2019 10:53:33 AM

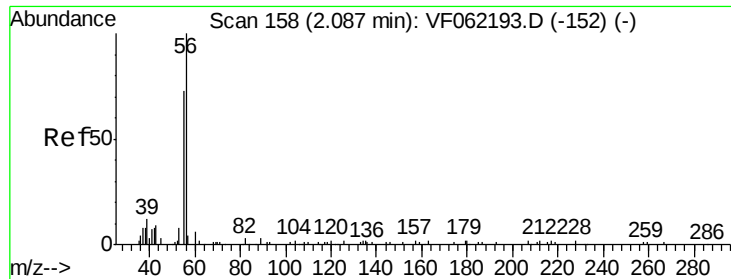


#12

1,1-Dichloroethene
Concen: 96.603 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	161.7	129.1	193.7
98	98	66.4	50.0	75.0





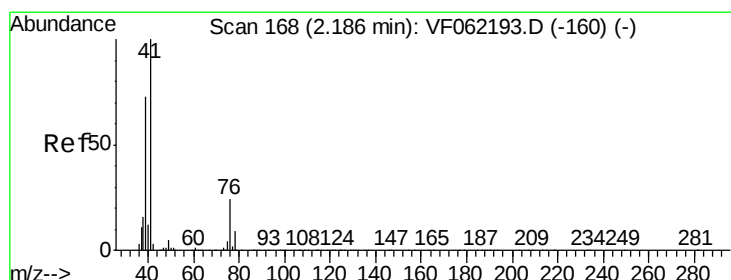
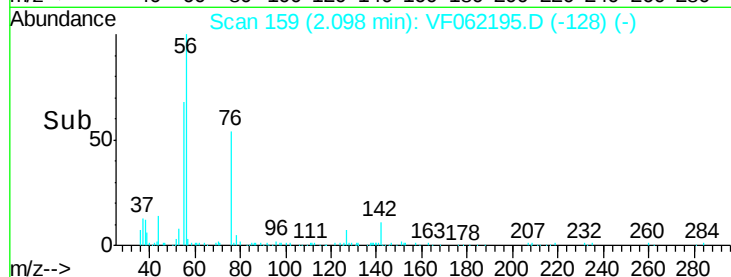
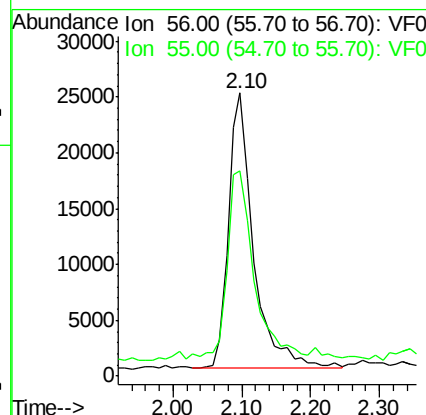
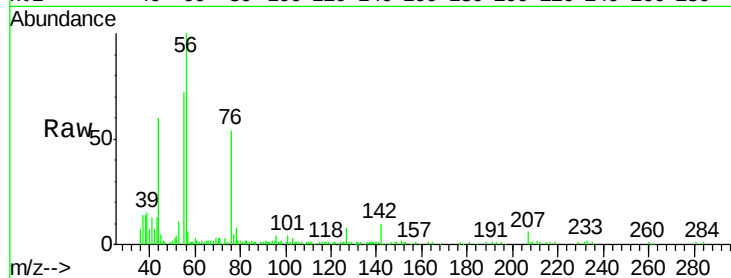
#13
Acrolein
Concen: 66.455 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 61934
Ion Ratio Lower Upper
56 100
55 73.8 57.4 86.0

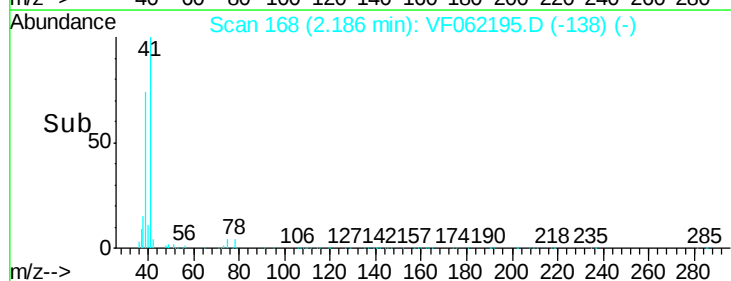
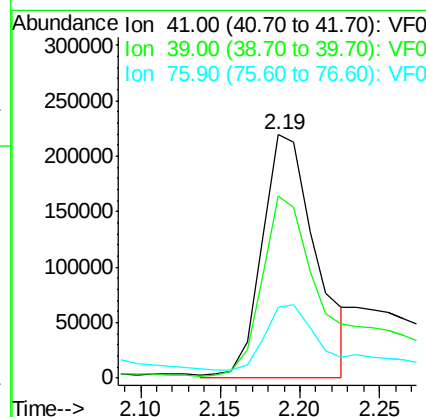
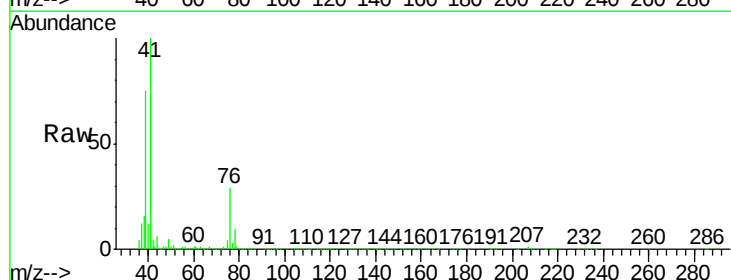
Manual Integrations
APPROVED

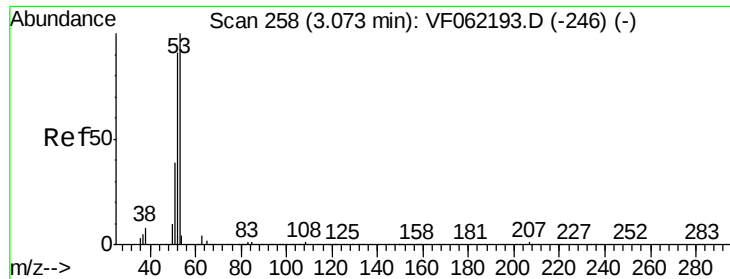
MMDadoda
4/19/2019 10:53:33 AM



#14
Allyl chloride
Concen: 56.963 ug/l m
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 41 Resp: 517829
Ion Ratio Lower Upper
41 100
39 109.1 60.0 90.0#
76 44.2 20.6 30.8#





#15

Acrylonitrile

Concen: 127.546 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

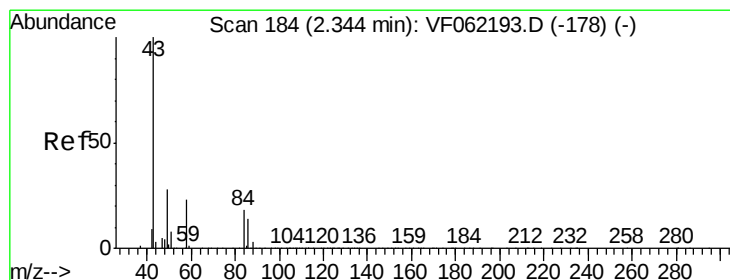
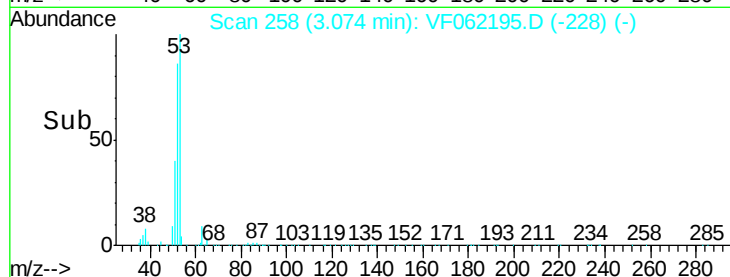
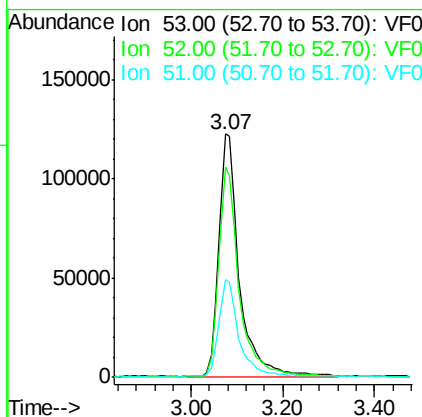
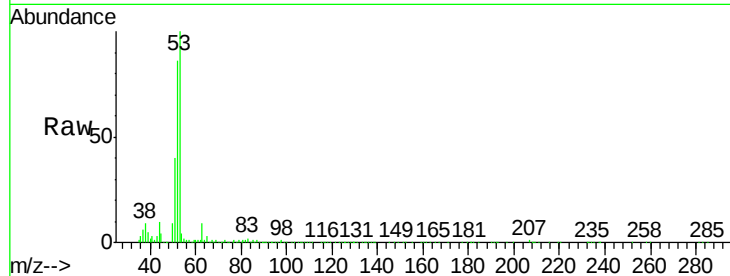
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	375709
Ion	Ratio	Lower	Upper
53	100		
52	88.1	69.5	104.3
51	38.2	31.8	47.8

Manual Integrations
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MMDadoda
4/19/2019 10:53:33 AM



#16

Acetone

Concen: 152.657 ug/l

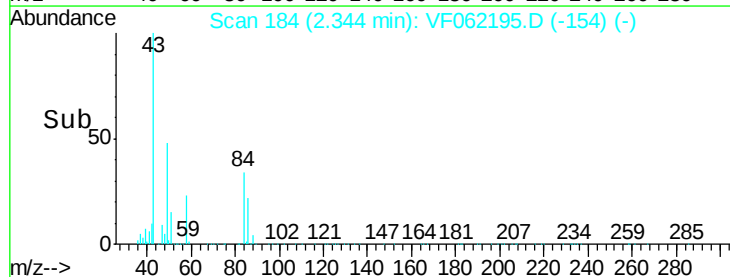
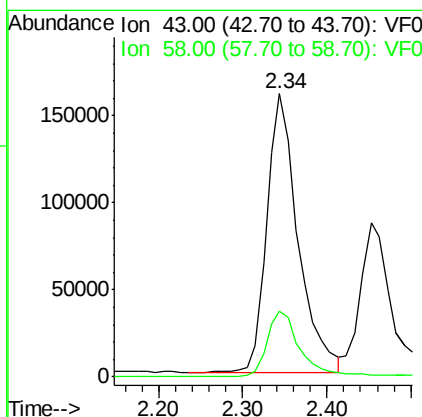
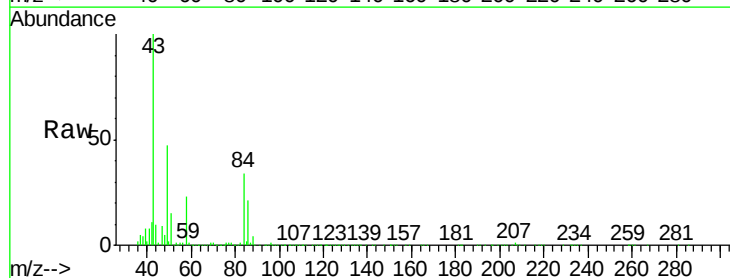
RT: 2.34 min Scan# 184

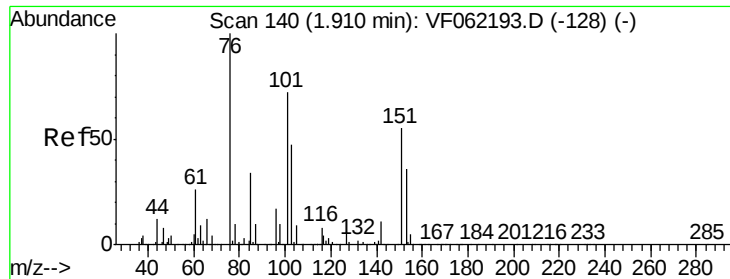
Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion:	43	Resp:	417234
Ion	Ratio	Lower	Upper
43	100		
58	23.3	18.8	28.2





#17

Carbon Disulfide

Concen: 92.860 ug/l m

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1313965

Ion Ratio Lower Upper

76 100

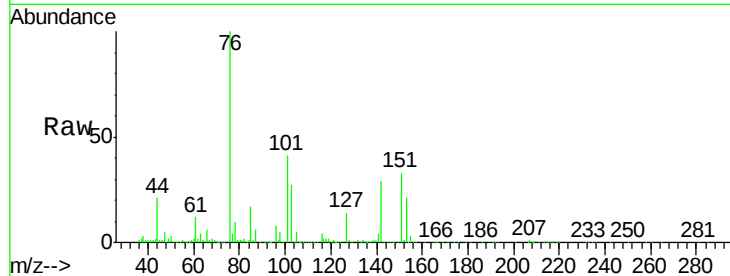
78 10.2 8.7 13.1

Manual Integrations

APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

1.92

200000

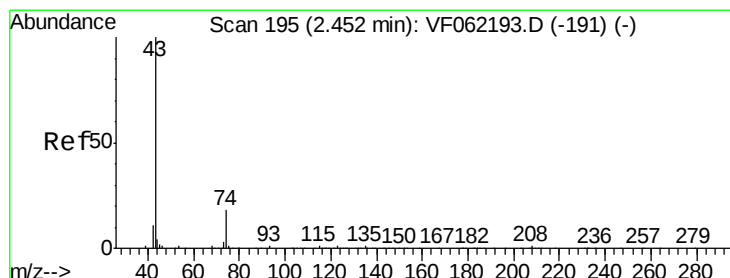
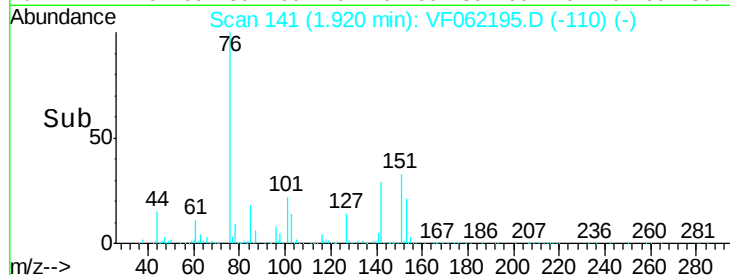
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 27.620 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF062195.D

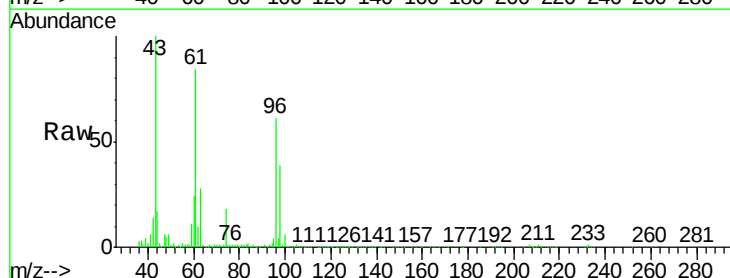
Acq: 17 Apr 2019 19:35

Tgt Ion: 43 Resp: 189706

Ion Ratio Lower Upper

43 100

74 17.6 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.45

100000

80000

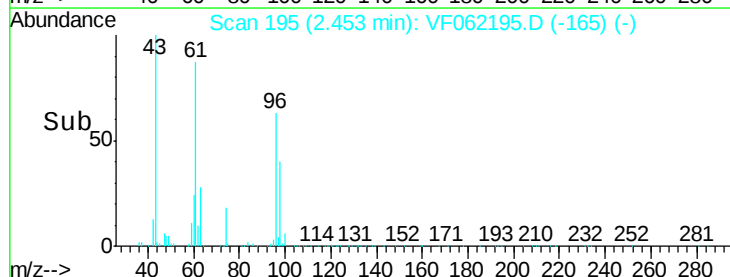
60000

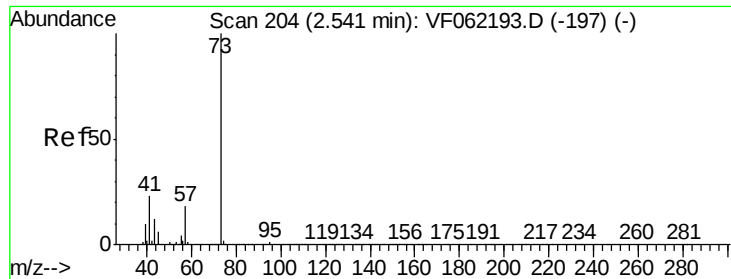
40000

20000

0

Time-->





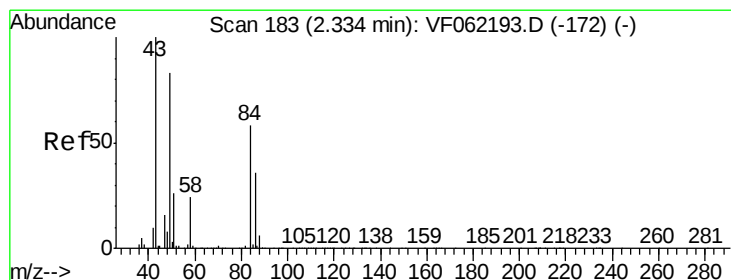
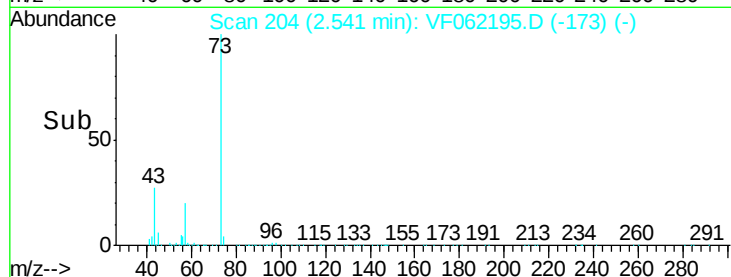
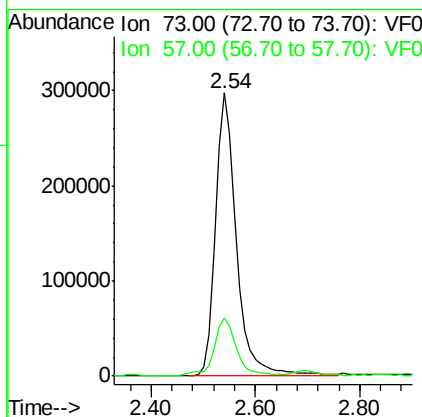
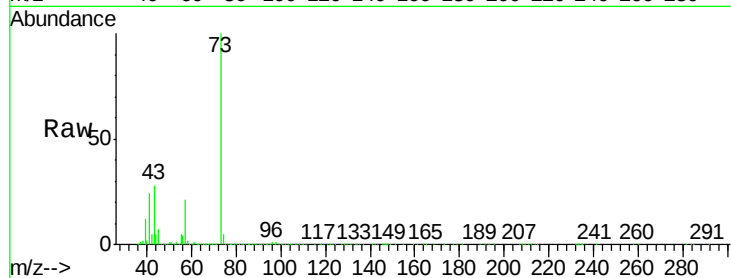
#19
Methvl tert-butvl Ether
Concen: 54.960 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	15.1	22.7

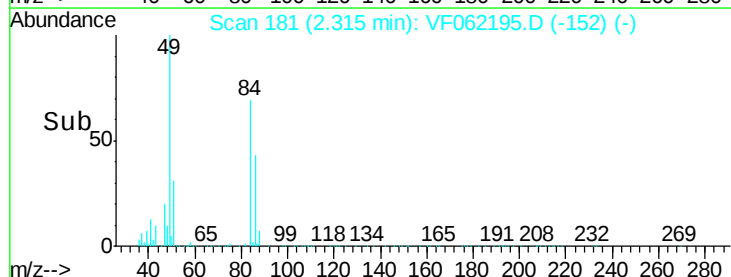
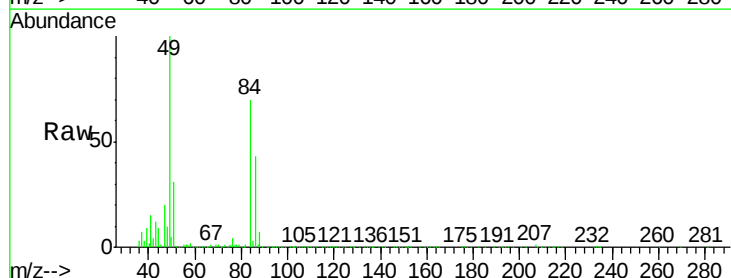
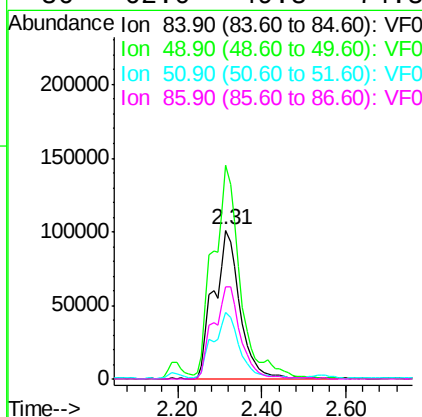
Manual Integrations
APPROVED

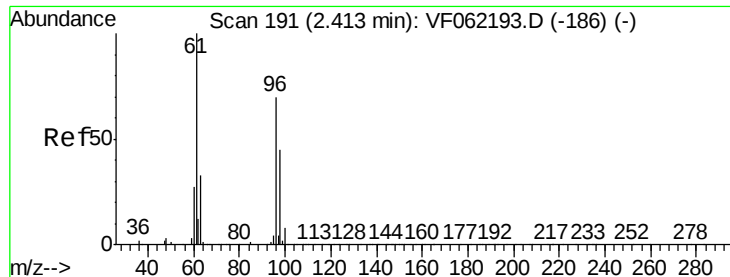
MMDadoda
4/19/2019 10:53:33 AM



#20
Methylene Chloride
Concen: 81.914 ug/l
RT: 2.31 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.4	114.0	171.0
51	43.8	37.0	55.4
86	62.0	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 91.543 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 443487

Ion Ratio Lower Upper

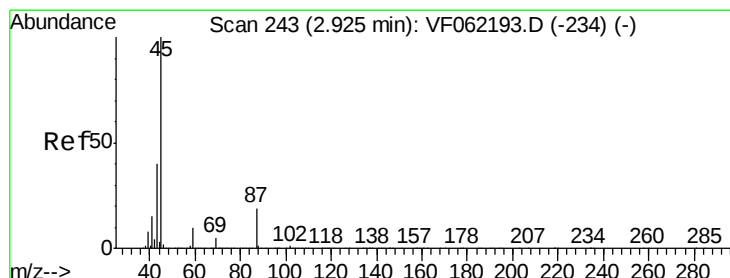
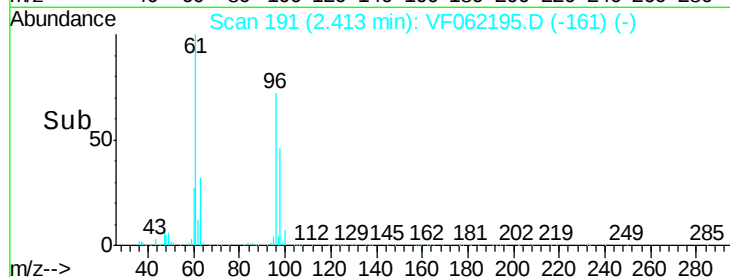
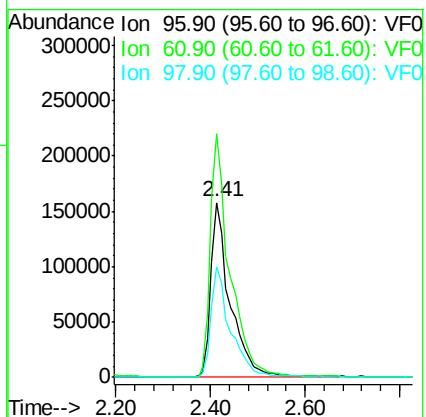
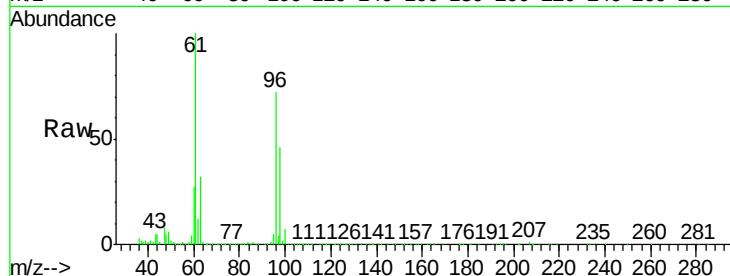
96 100

61 139.2 114.6 172.0

98 63.4 51.2 76.8

Manual Integrations
APPROVED

MMDadoda
4/19/2019 10:53:33 AM



#22

Diisopropyl ether

Concen: 72.584 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion: 45 Resp: 1330775

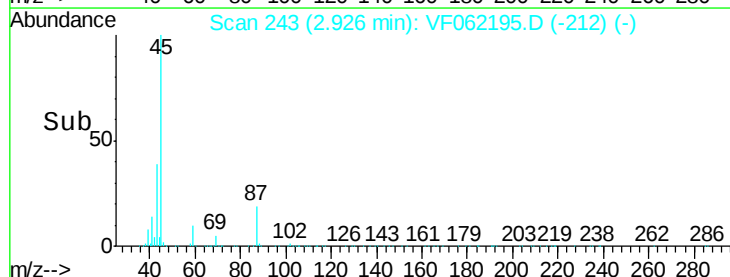
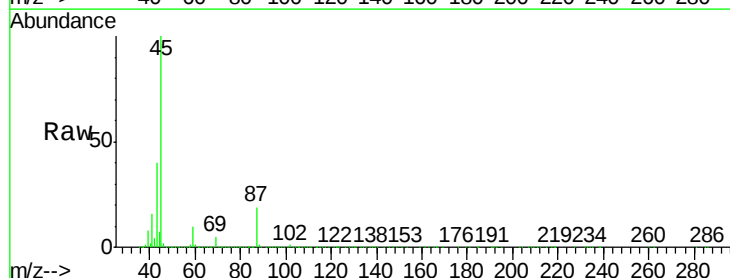
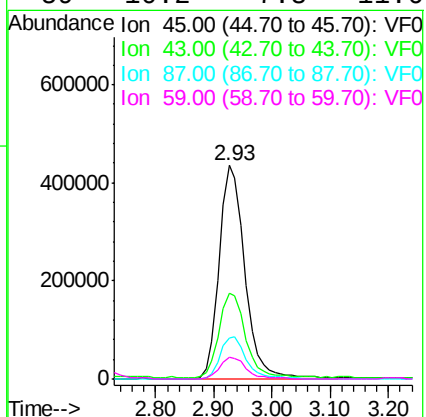
Ion Ratio Lower Upper

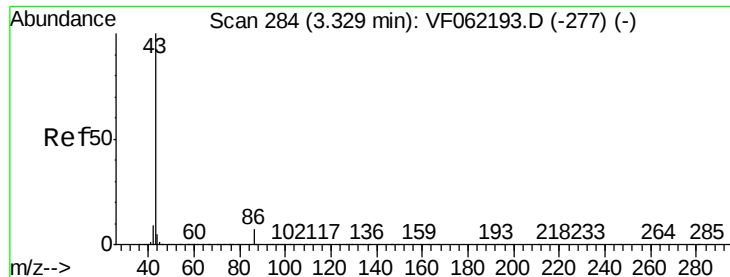
45 100

43 39.5 32.8 49.2

87 19.2 15.2 22.8

59 10.2 7.8 11.6





#23

Vinyl Acetate

Concen: 205.776 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3127269

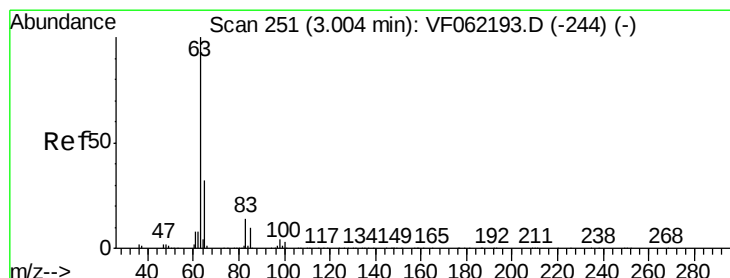
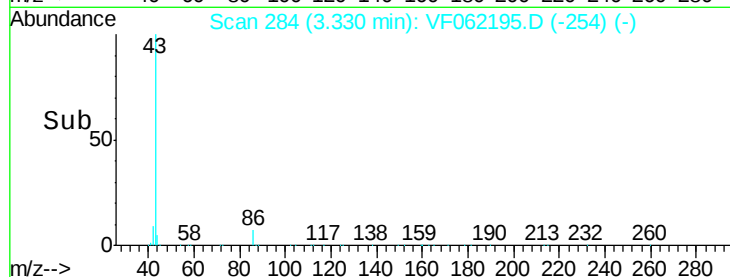
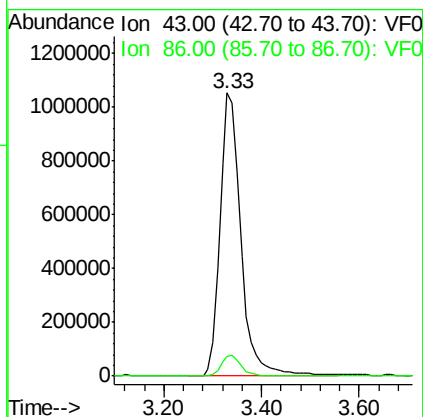
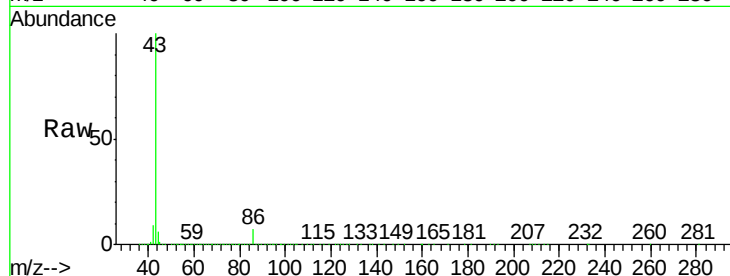
Ion Ratio Lower Upper

43 100

86 7.1 5.9 8.9

Manual Integrations
APPROVED

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#24

1,1-Dichloroethane

Concen: 80.125 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

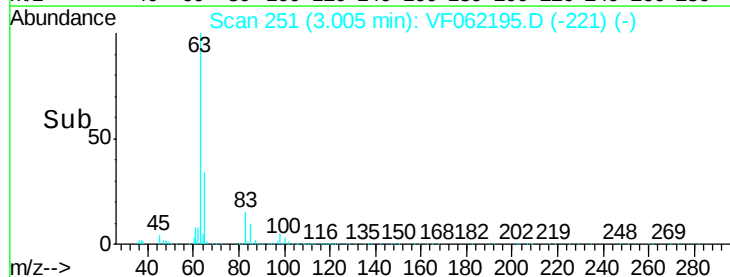
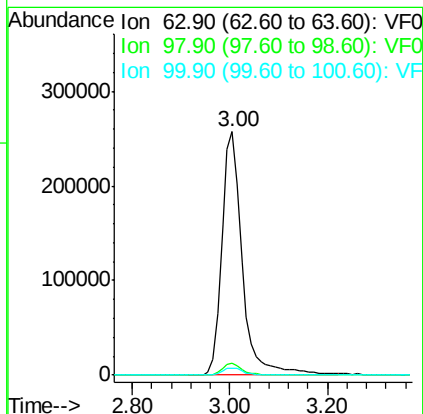
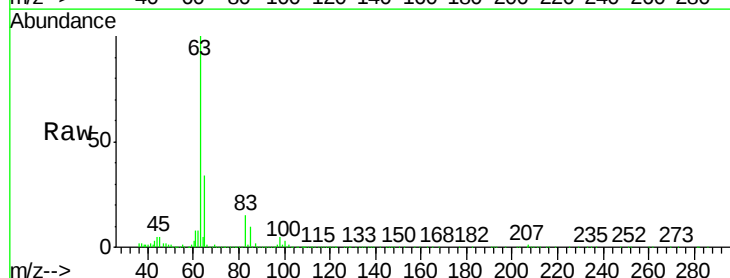
Tgt Ion: 63 Resp: 744544

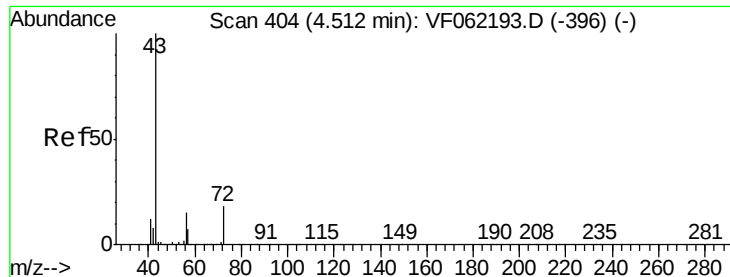
Ion Ratio Lower Upper

63 100

98 5.0 2.3 6.8

100 3.0 1.7 5.0





#25

2-Butanone

Concen: 198.309 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 876173

Ion Ratio Lower Upper

43 100

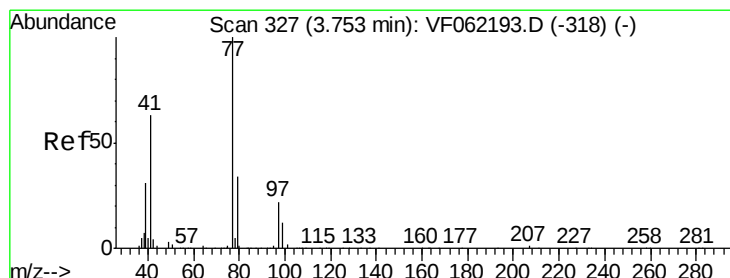
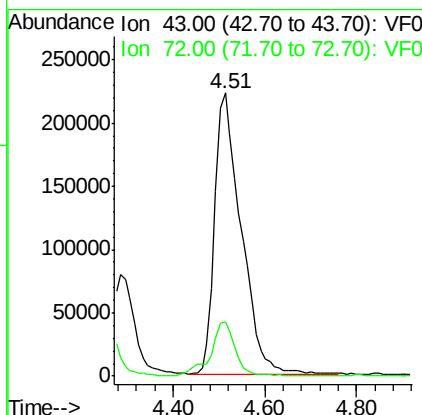
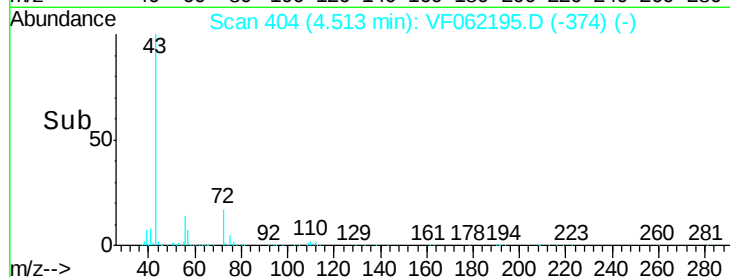
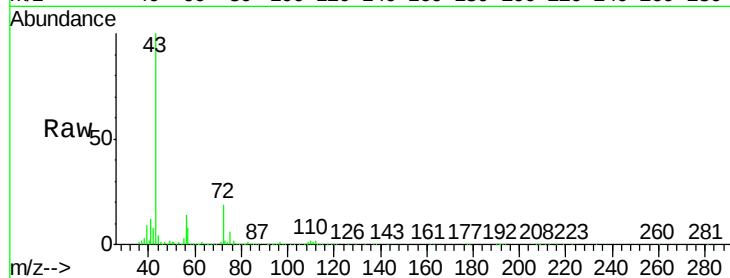
72 19.1 16.1 24.1

Manual Integrations

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MMDadoda

4/19/2019 10:53:33 AM



#26

2,2-Dichloropropane

Concen: 54.755 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062195.D

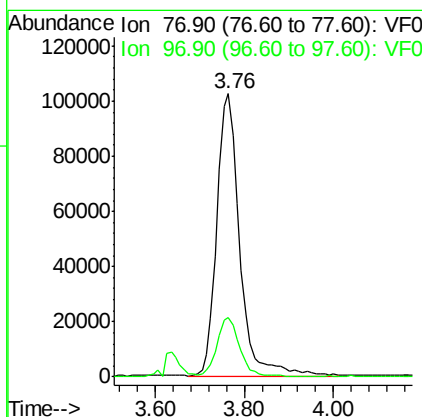
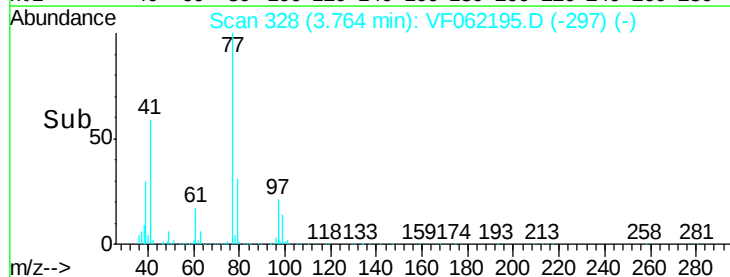
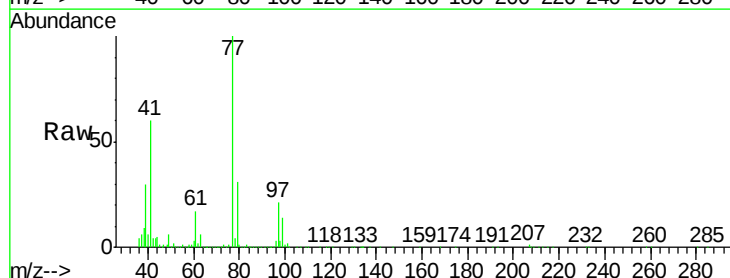
Acq: 17 Apr 2019 19:35

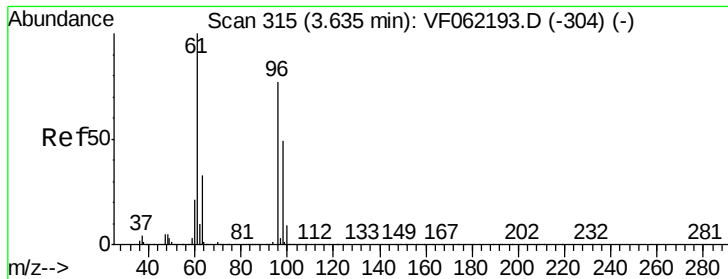
Tgt Ion: 77 Resp: 364267

Ion Ratio Lower Upper

77 100

97 20.7 11.1 33.3





#27

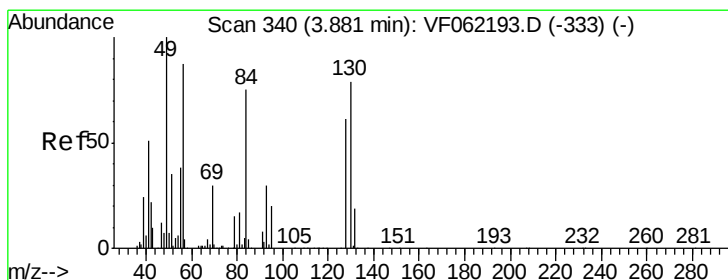
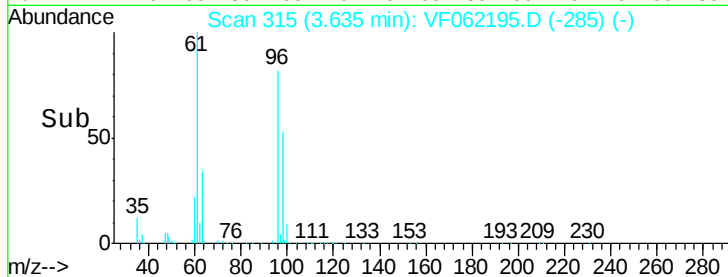
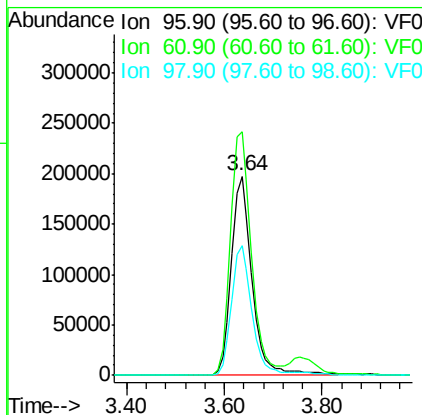
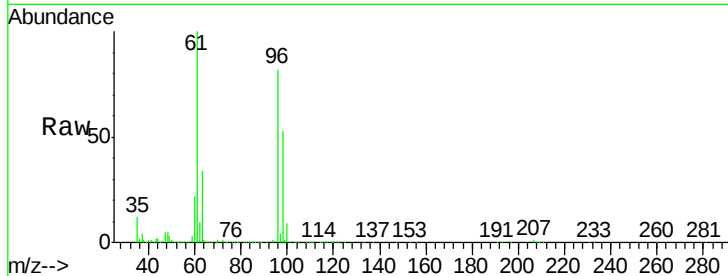
cis-1,2-Dichloroethene
Concen: 103.344 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	582255		
61	123.8		0.0	253.6
98	64.1		0.0	124.8

Manual Integrations
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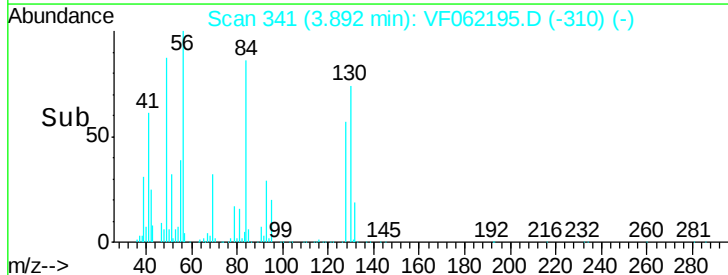
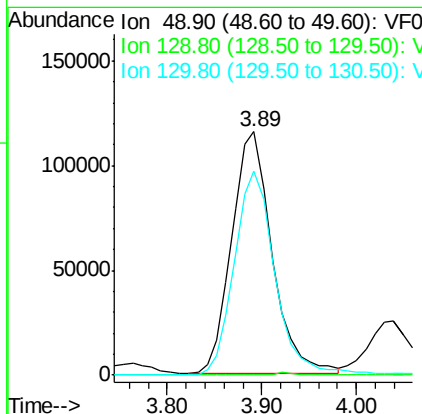
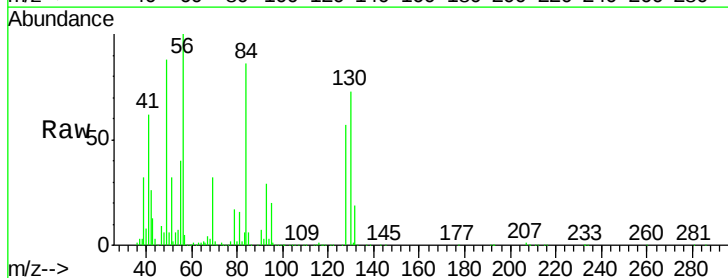
MMDadoda
4/19/2019 10:53:33 AM



#28

Bromochloromethane
Concen: 78.837 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	342519		
129	0.0		0.0	0.0
130	86.2		66.6	100.0





#29

Tetrahydrofuran

Concen: 135.117 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

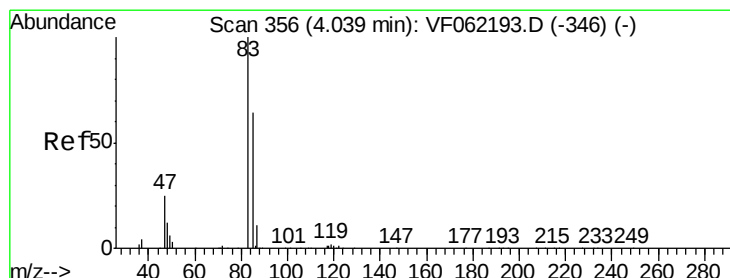
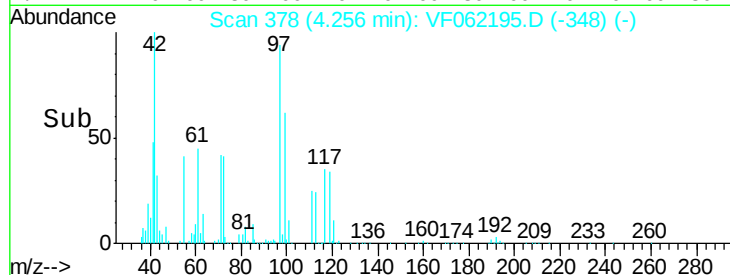
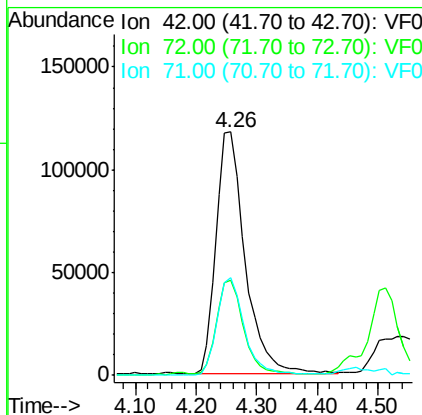
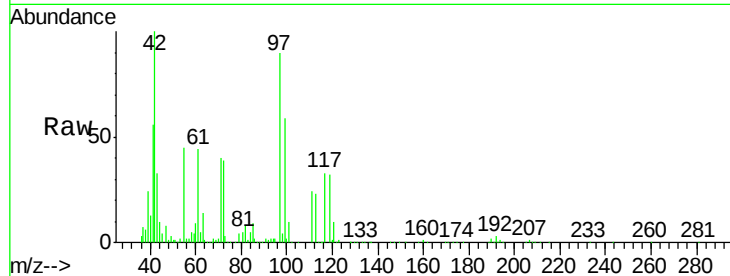
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	392962
Ion Ratio		Lower	Upper
42	100		
72	36.1	28.6	43.0
71	38.7	29.2	43.8

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4/19/2019 10:53:33 AM



#30

Chloroform

Concen: 100.655 ug/l

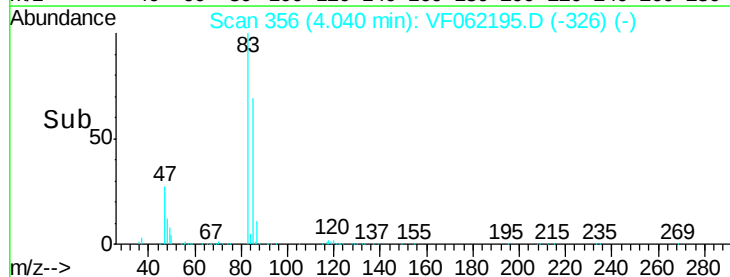
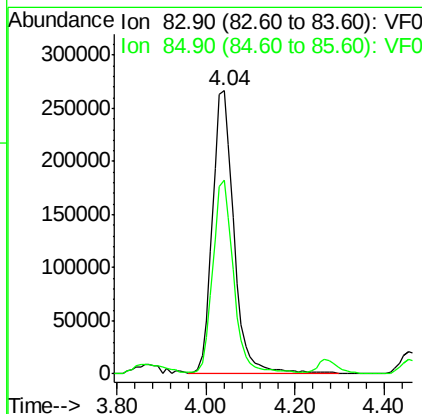
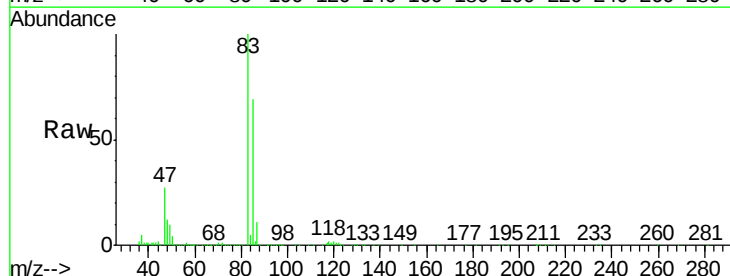
RT: 4.04 min Scan# 356

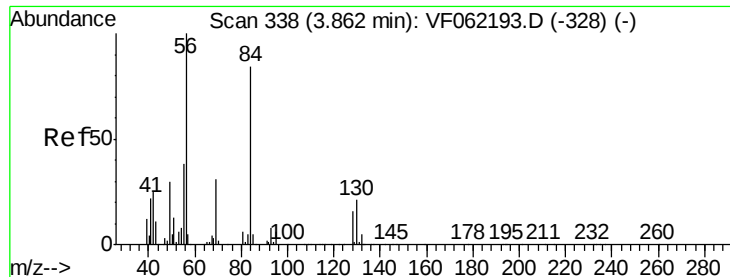
Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion:	83	Resp:	882979
Ion Ratio		Lower	Upper
83	100		
85	68.5	51.8	77.8





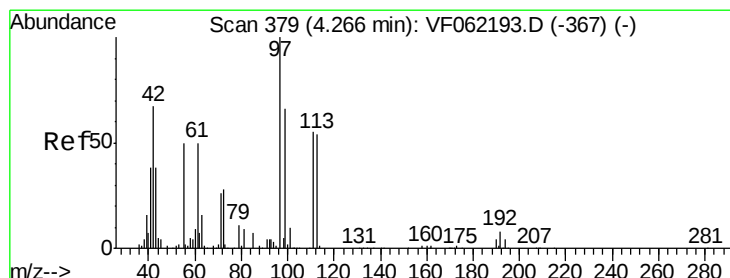
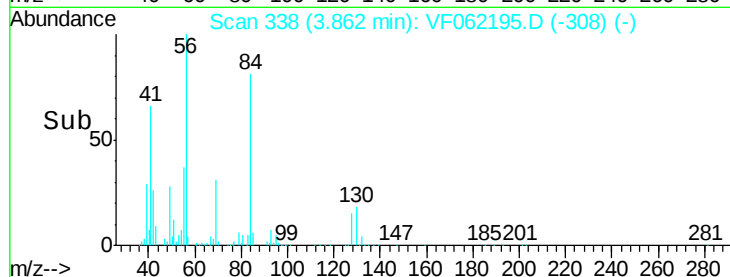
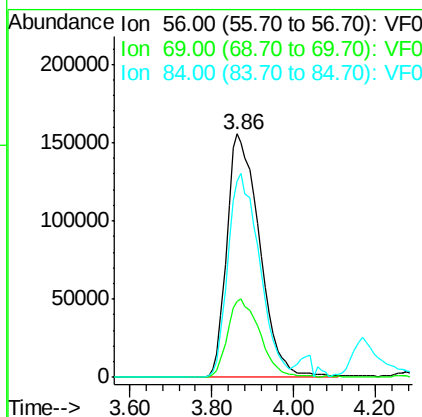
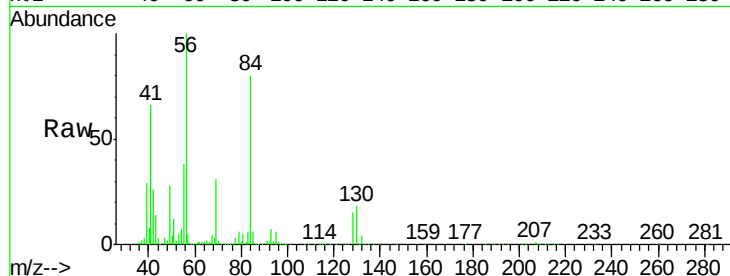
#31
Cyclohexane
Concen: 91.014 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.1	37.7
84	80.5	67.8	101.6

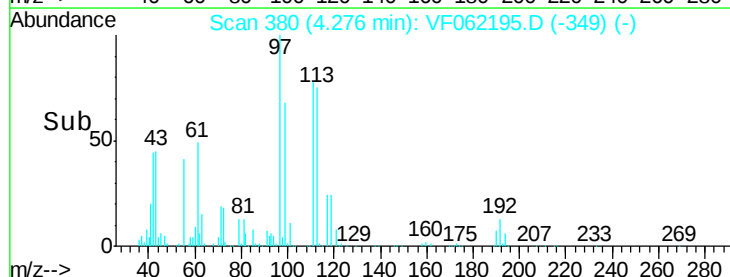
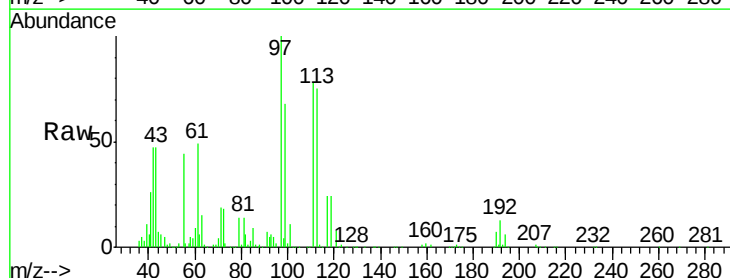
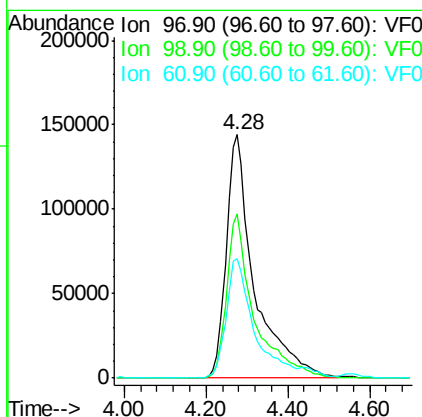
Manual Integrations
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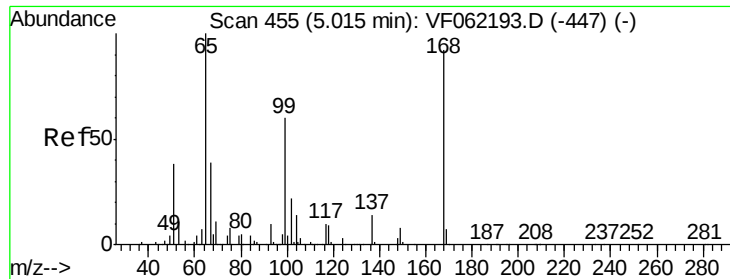
MMDadoda
4/19/2019 10:53:33 AM



#32
1,1,1-Trichloroethane
Concen: 99.753 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.7	79.1
61	48.7	53.0	79.4#





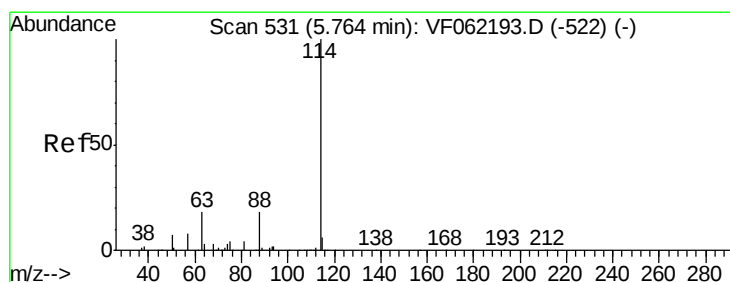
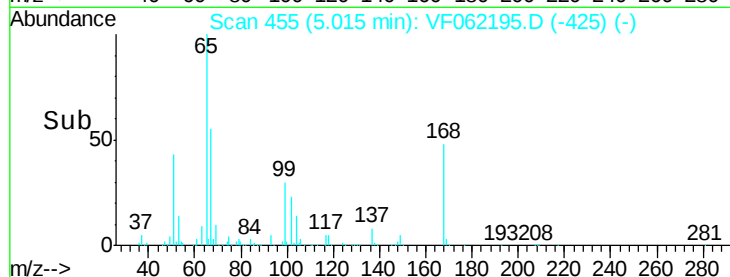
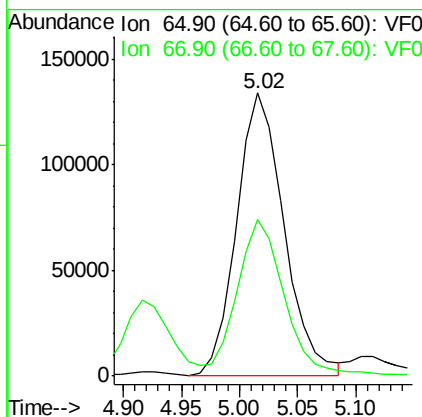
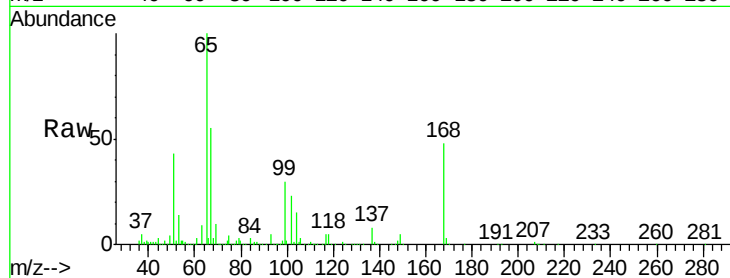
#33
 1,2-Dichloroethane-d4
 Concen: 66.985 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	376010		
67	54.6	0.0	109.4	

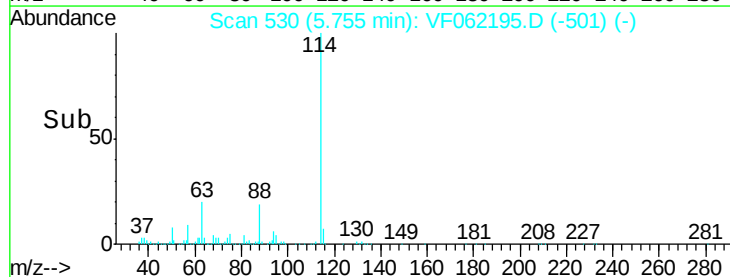
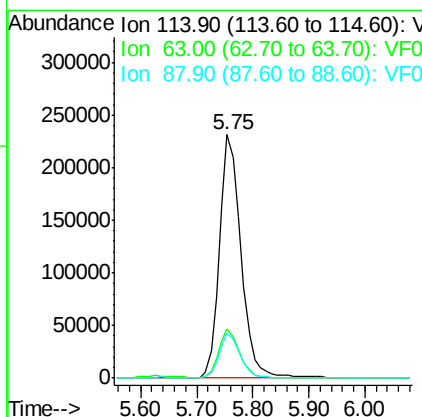
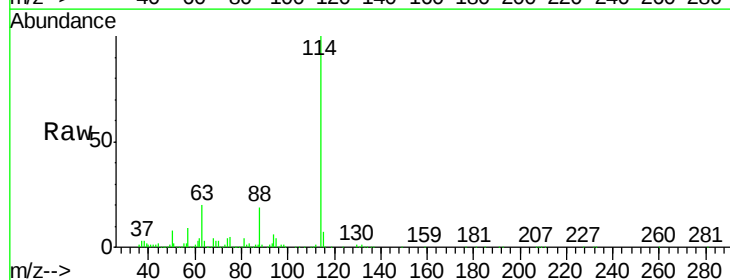
Manual Integrations
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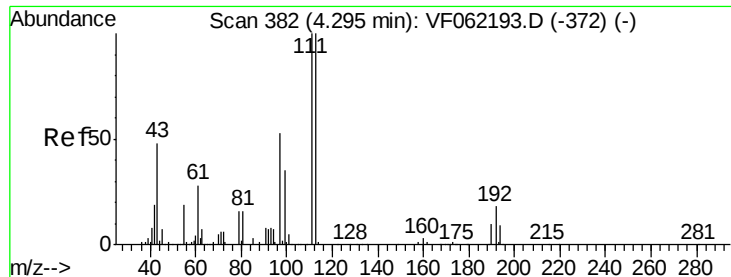
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	622444		
63	19.8	0.0	36.6	
88	18.7	0.0	35.8	





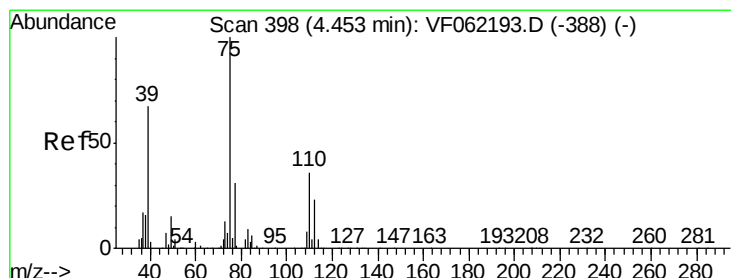
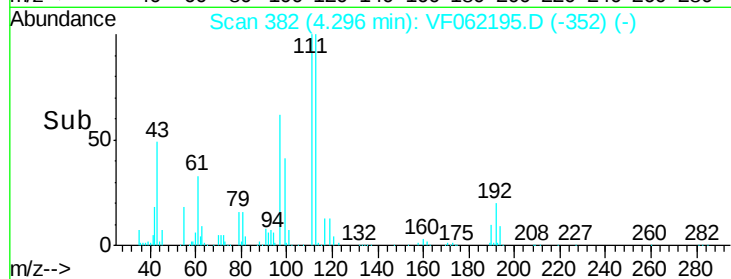
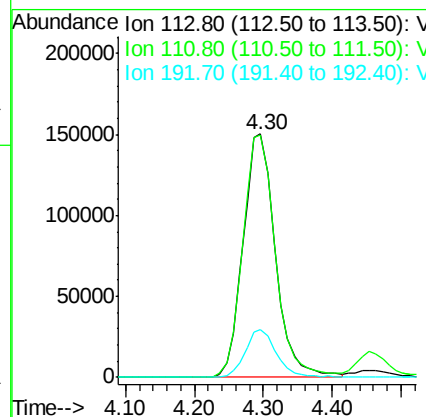
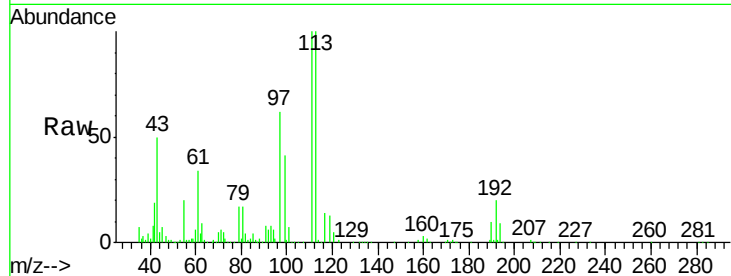
#35
 Dibromofluoromethane
 Concen: 114.556 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	489008		
111	100.5	81.1	121.7	
192	19.3	14.7	22.1	

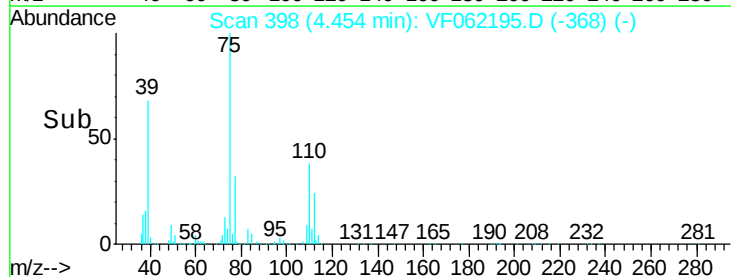
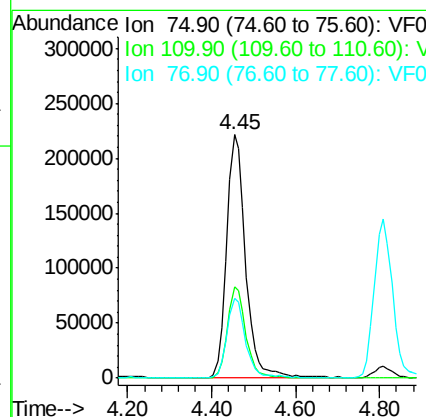
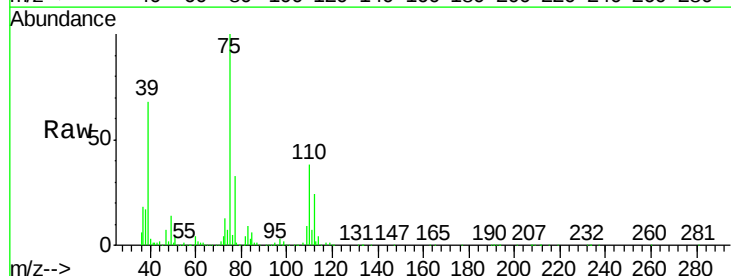
Manual Integrations
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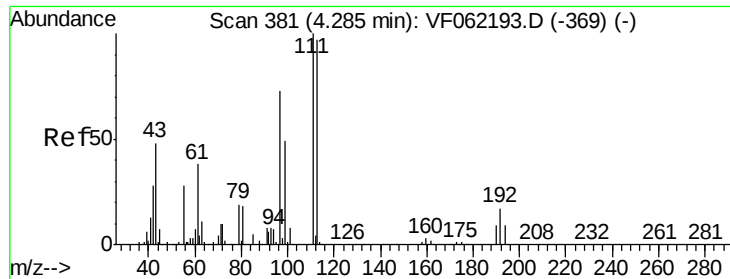
MMDadoda
 4/19/2019 10:53:33 AM



#36
 1,1-Dichloropropene
 Concen: 104.259 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	695758		
110	36.5	18.4	55.2	
77	32.0	25.4	38.2	





#37

Ethyl Acetate

Concen: 42.934 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

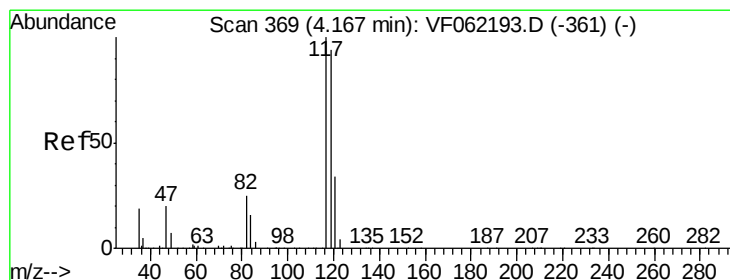
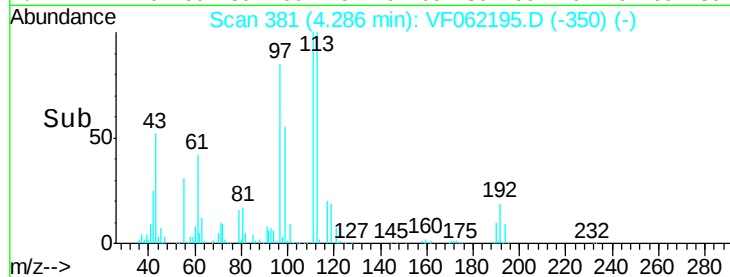
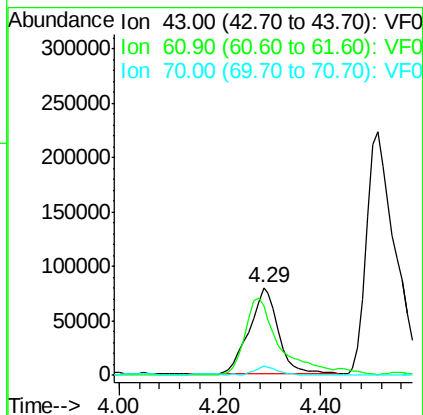
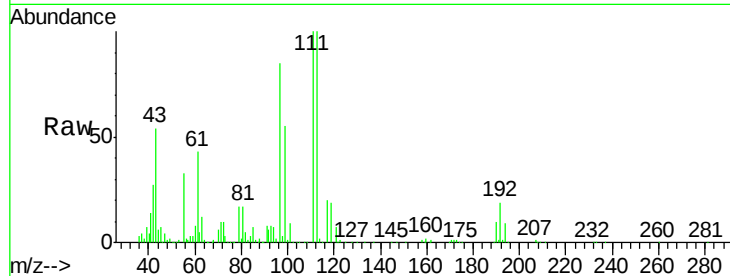
VSTDIC100

Tot Ion: 43 Resp: 320448

Ion	Ratio	Lower	Upper
43	100		
61	104.2	0.0	0.0#
70	8.9	7.8	11.6

Manual Integrations
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MMDadoda
4/19/2019 10:53:33 AM



#38

Carbon Tetrachloride

Concen: 124.227 ug/l m

RT: 4.17 min Scan# 369

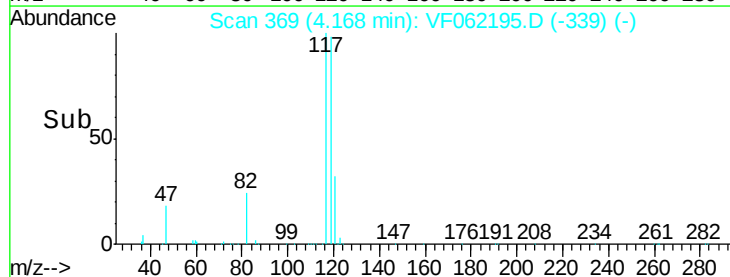
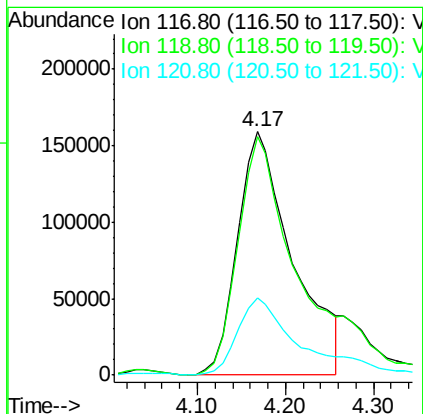
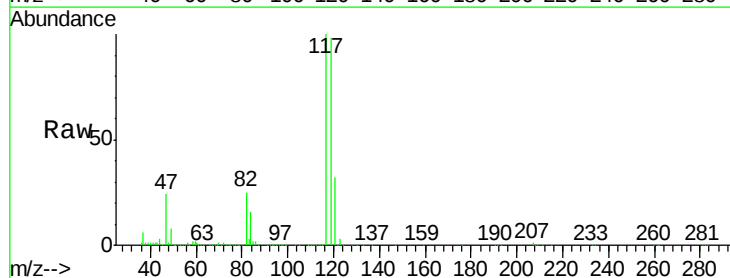
Delta R.T. 0.00 min

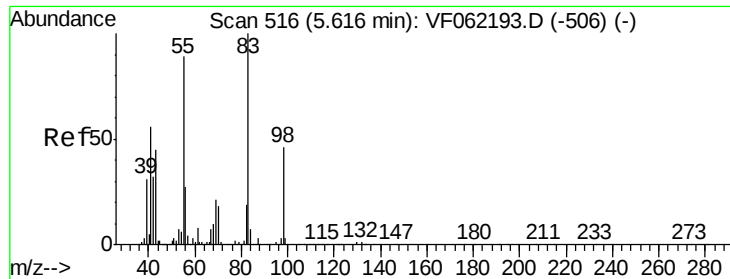
Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion: 117 Resp: 692669

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.0	112.4
121	31.5	26.9	40.3





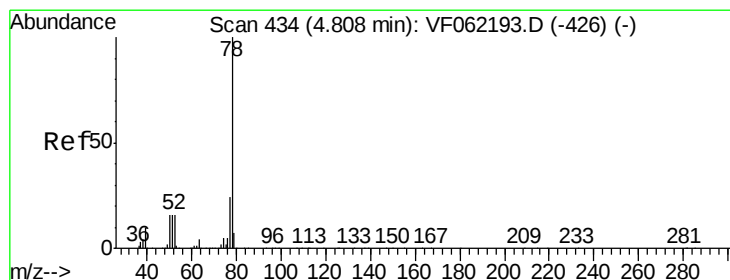
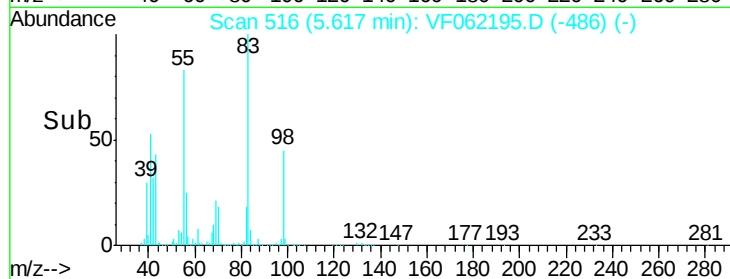
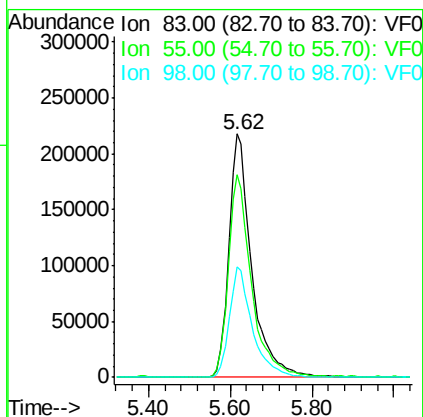
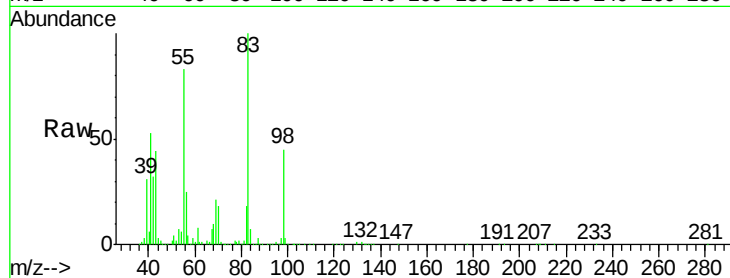
#39
Methvlcvclohexane
Concen: 104.227 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.2	71.0	106.6
98	45.3	36.7	55.1

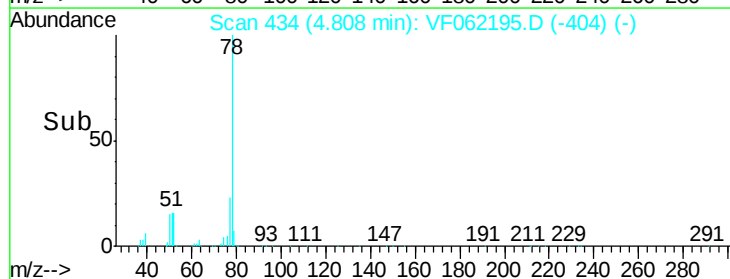
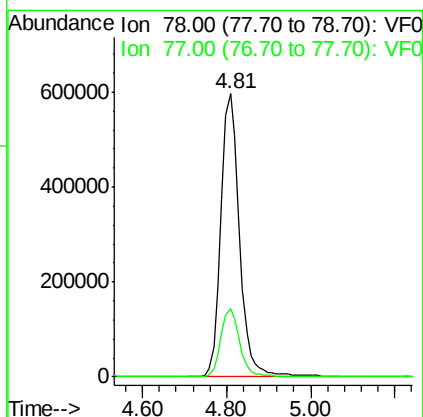
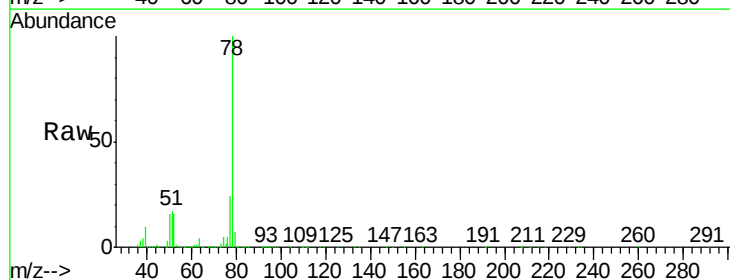
Manual Integrations
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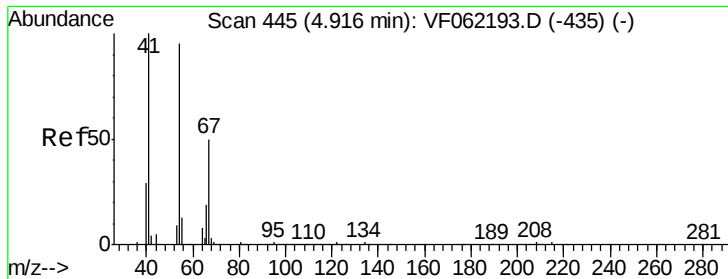
MMDadoda
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#40
Benzene
Concen: 95.824 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





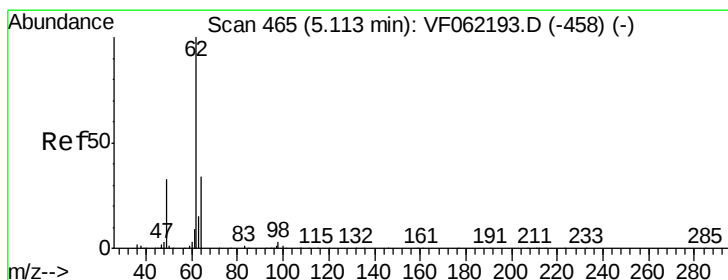
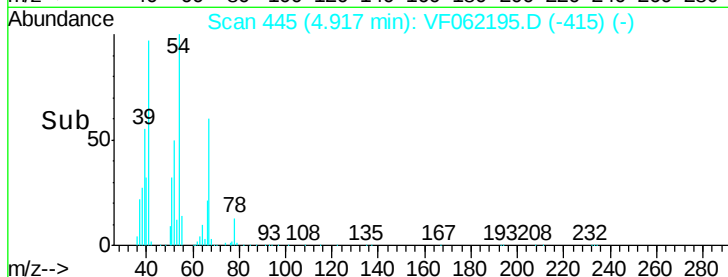
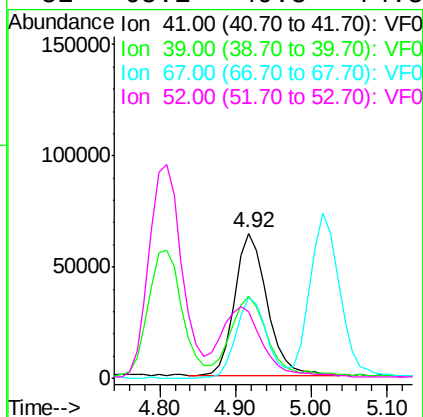
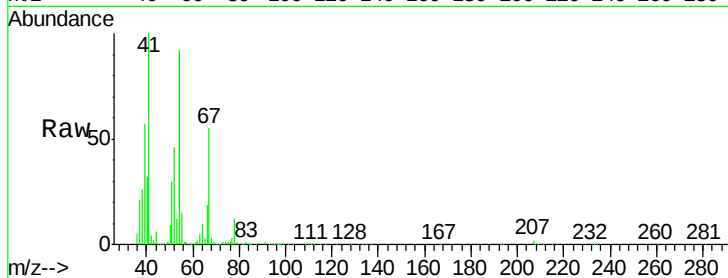
#41
Methacrylonitrile
Concen: 43.713 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.9	44.7	67.1
67	53.0	39.1	58.7
52	65.1	49.8	74.8

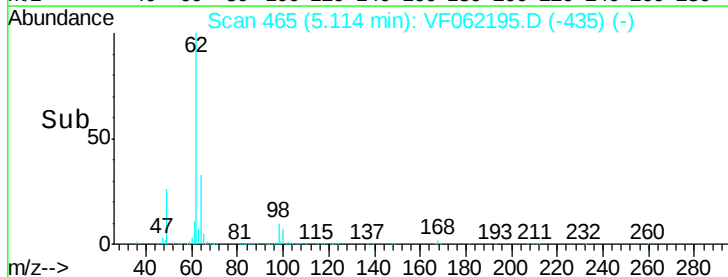
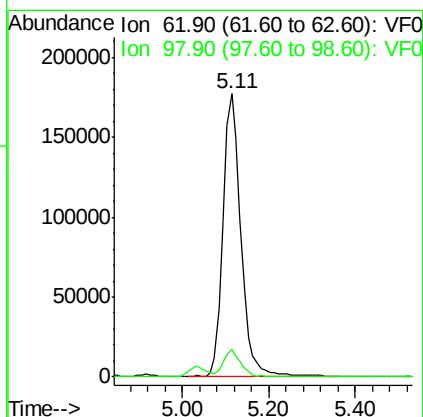
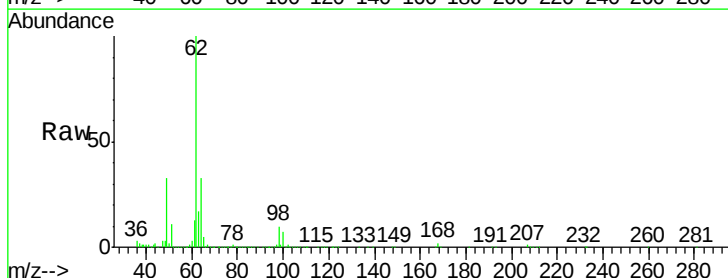
Manual Integrations
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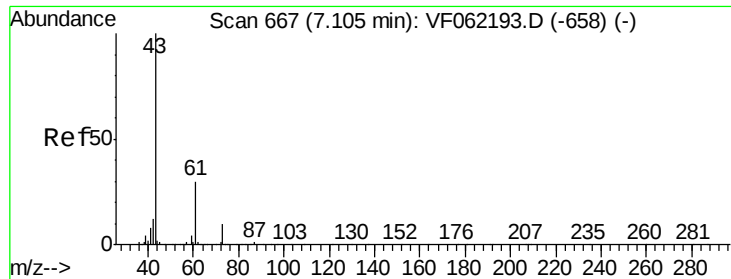
MMDadoda
4/19/2019 10:53:33 AM



#42
1,2-Dichloroethane
Concen: 78.965 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.0





#43

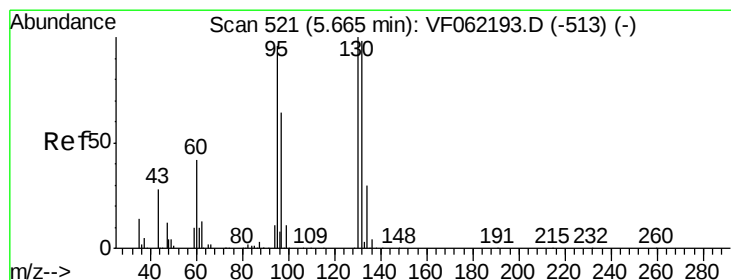
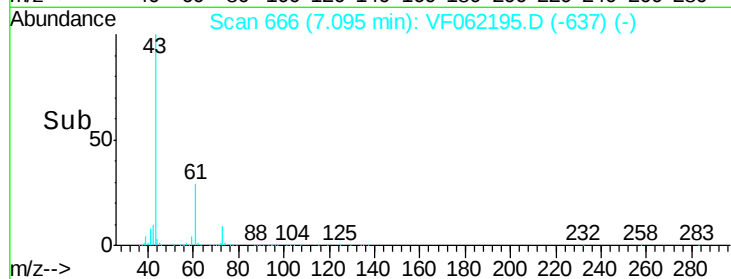
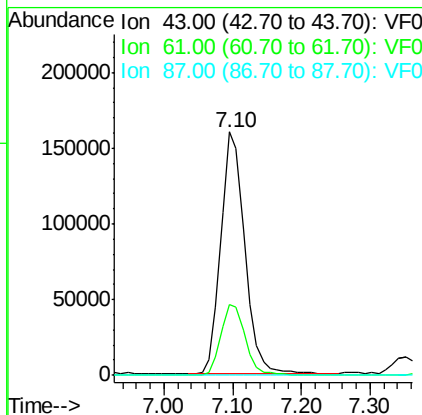
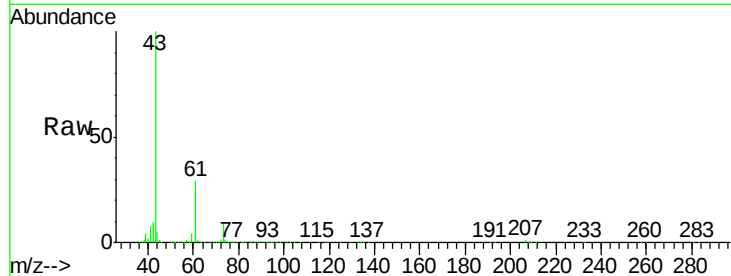
Isopropyl Acetate
 Concen: 32.941 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.4	36.6
87	0.4	0.4	0.6

Manual Integrations
 APPROVED

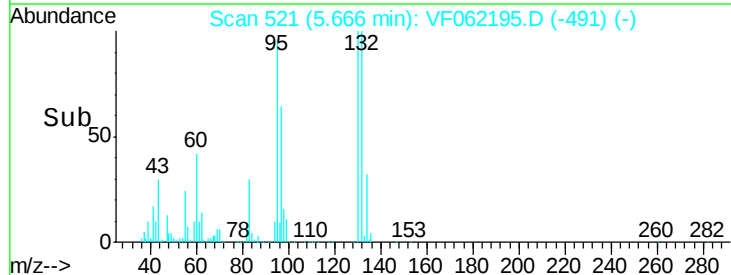
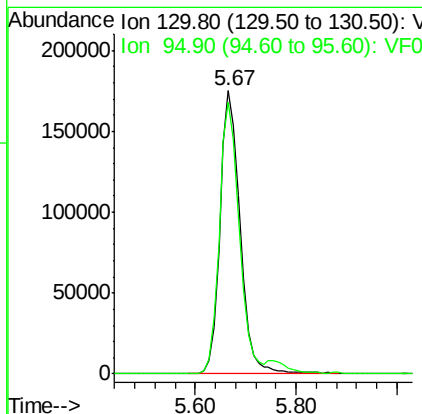
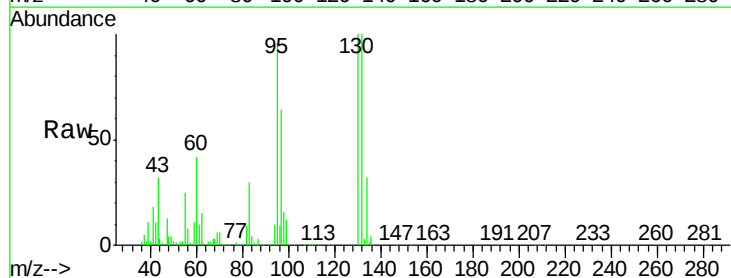
MMDadoda
 4/19/2019 10:53:33 AM

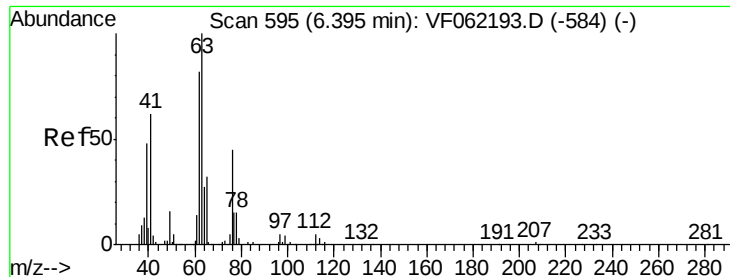


#44

Trichloroethene
 Concen: 101.715 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	191.4





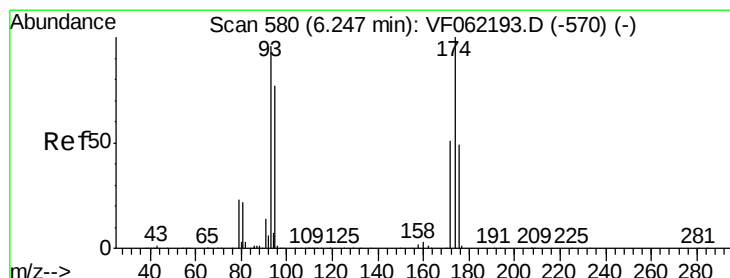
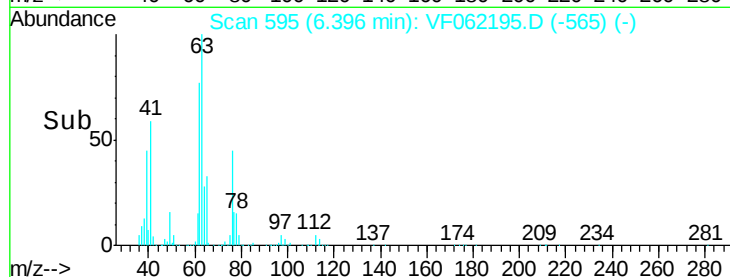
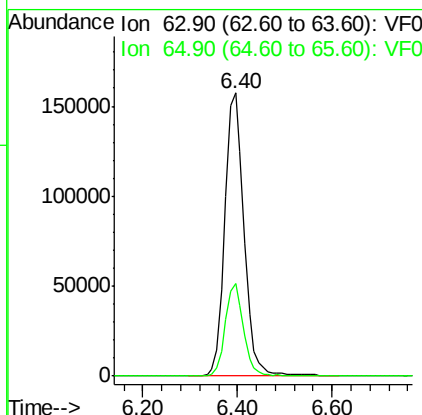
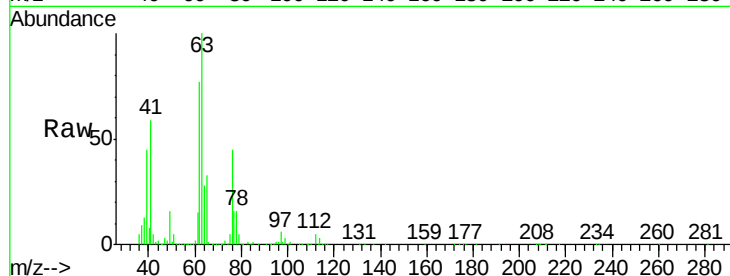
#45
 1,2-Dichloropropane
 Concen: 86.694 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9

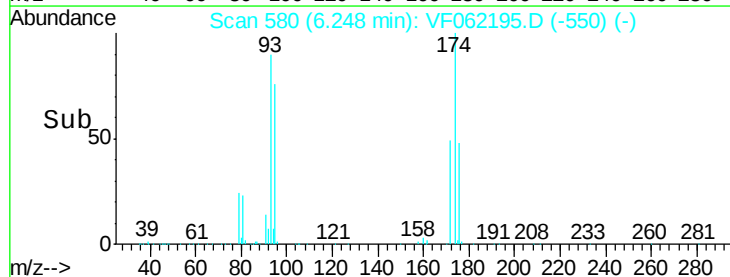
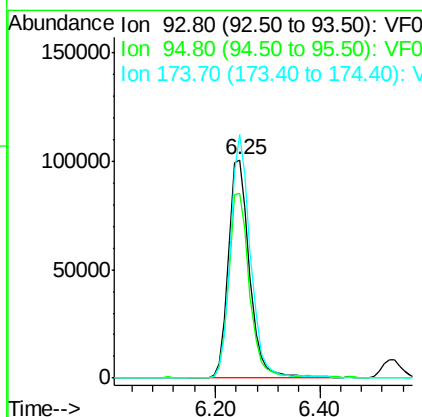
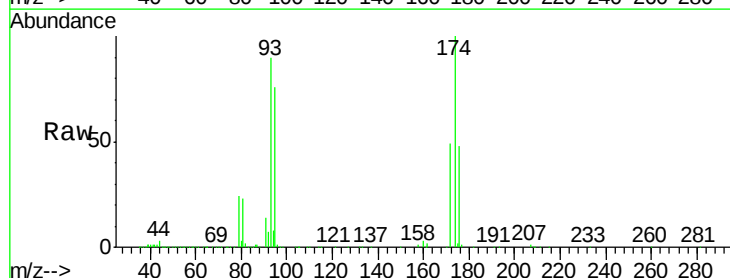
Manual Integrations
 APPROVED

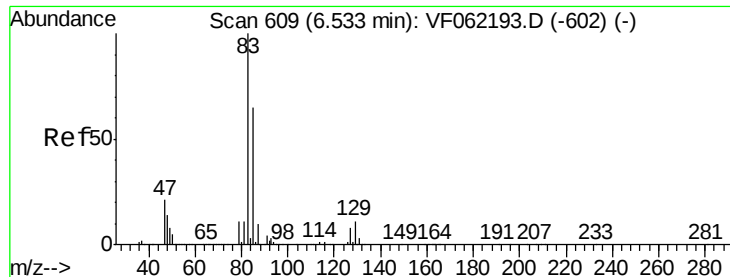
MMDadoda
 4/19/2019 10:53:33 AM



#46
 Dibromomethane
 Concen: 91.752 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.1	97.7
174	105.8	81.8	122.6





#47

Bromodichloromethane

Concen: 104.690 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

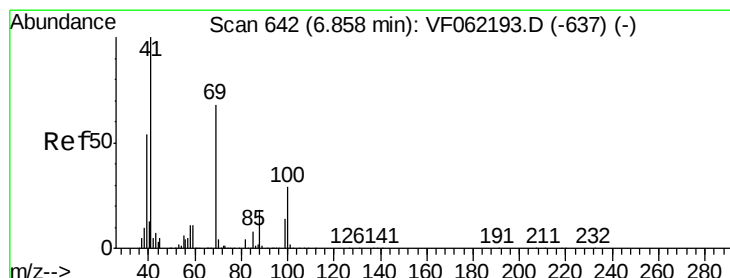
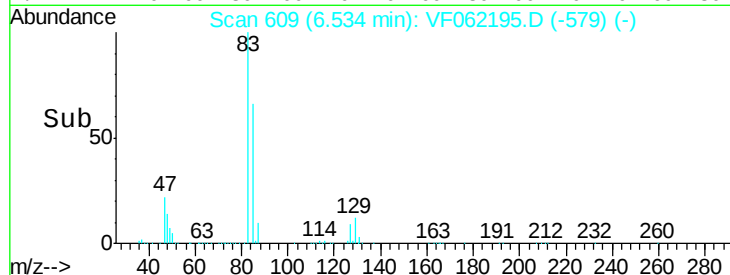
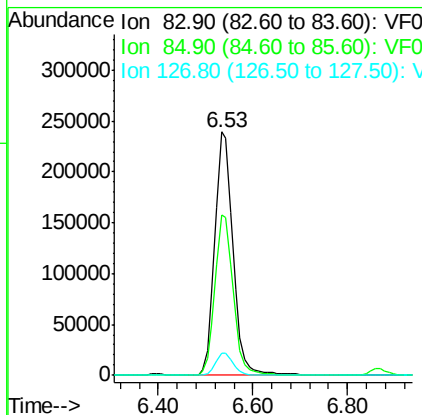
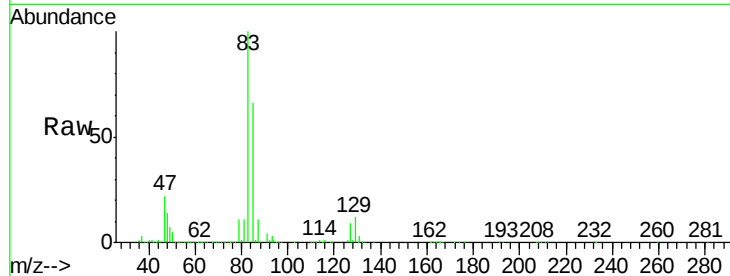
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	637374
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4
127	9.3	6.7	10.1

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#48

Methyl methacrylate

Concen: 41.321 ug/l

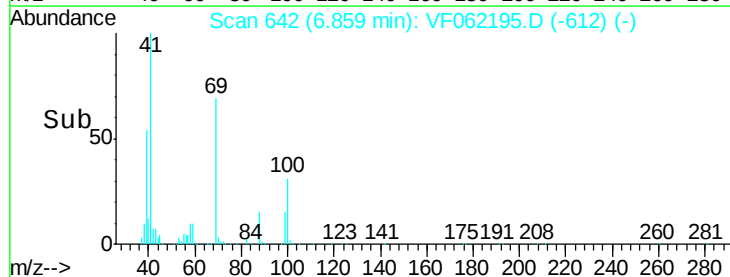
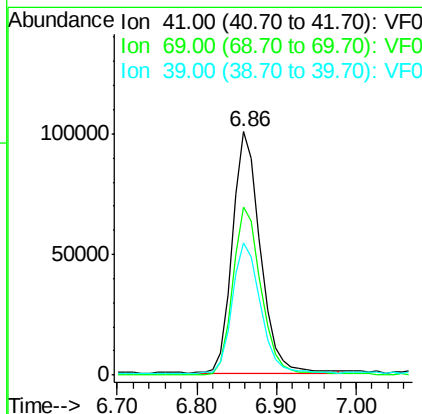
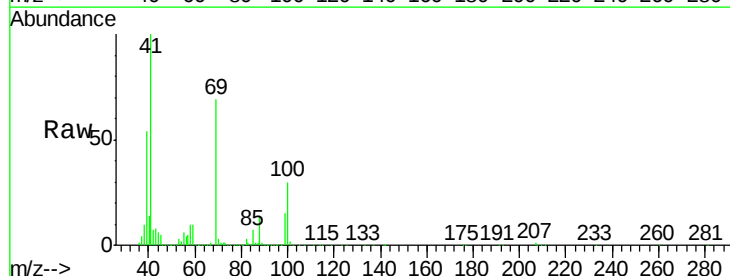
RT: 6.86 min Scan# 642

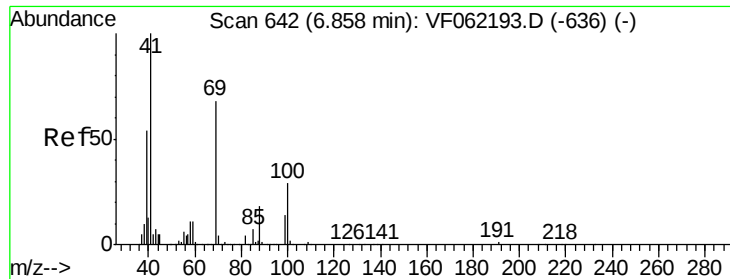
Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion:	41	Resp:	243796
Ion	Ratio	Lower	Upper
41	100		
69	70.9	54.9	82.3
39	55.5	43.6	65.4





#49

1,4-Dioxane

Concen: 488.025 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

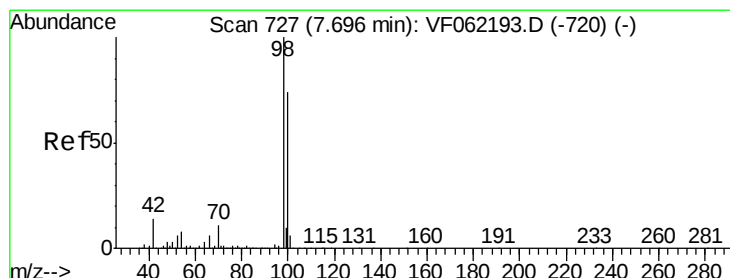
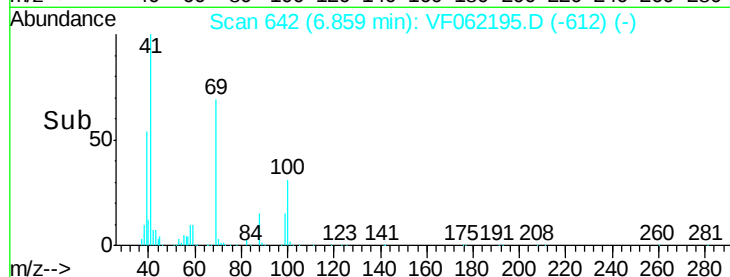
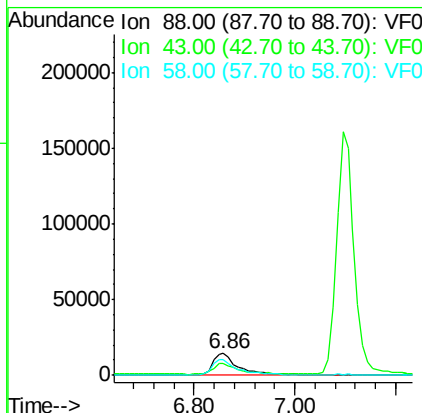
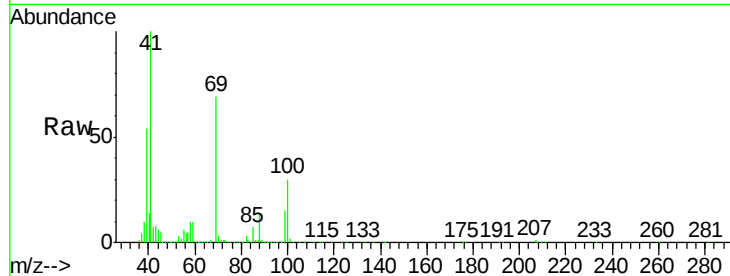
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.2	36.9	55.3
58	73.4	56.8	85.2

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#50

Toluene-d8

Concen: 82.780 ug/l

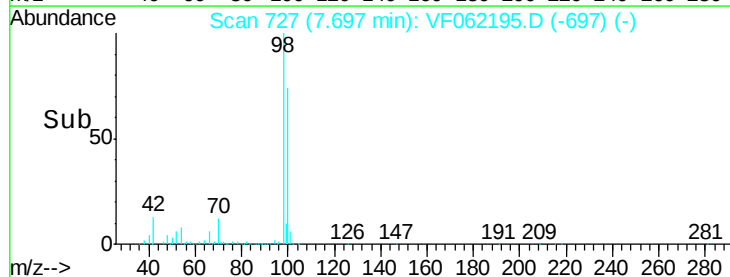
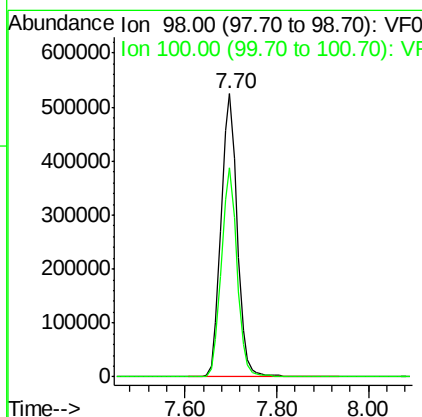
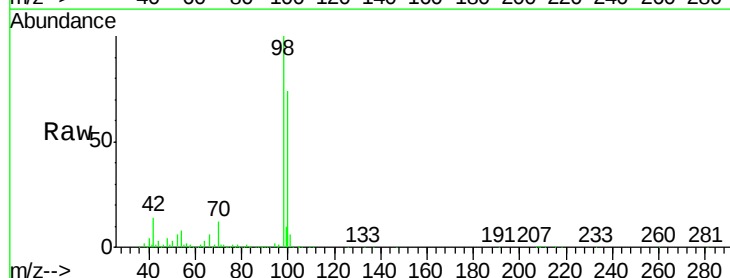
RT: 7.70 min Scan# 727

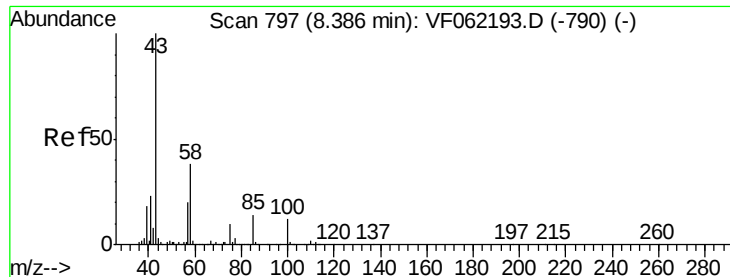
Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.4	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 169.477 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1280459

Ion Ratio Lower Upper

43 100

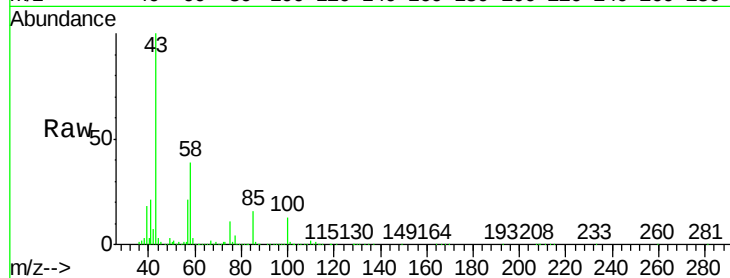
58 38.1 29.3 43.9

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

500000

400000

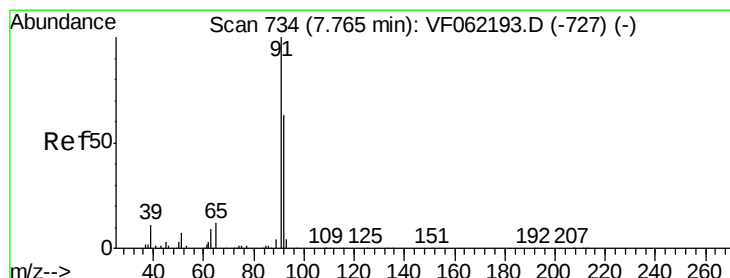
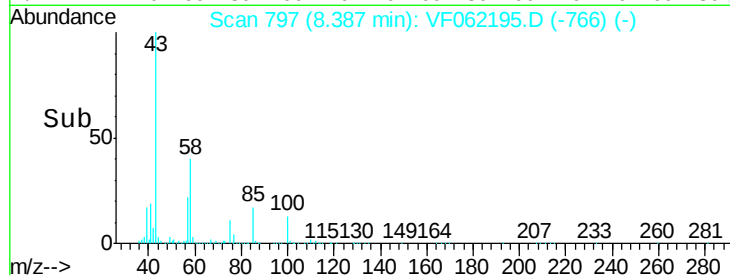
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 90.829 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062195.D

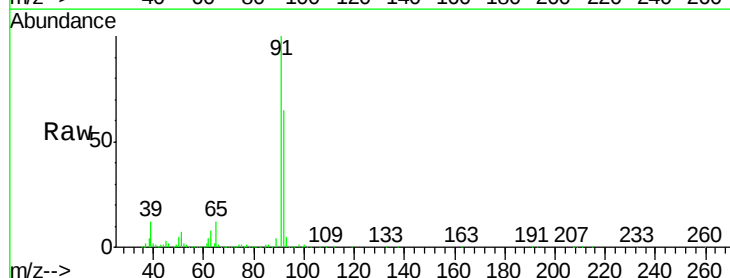
Acq: 17 Apr 2019 19:35

Tgt Ion: 92 Resp: 1026814

Ion Ratio Lower Upper

92 100

91 156.3 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

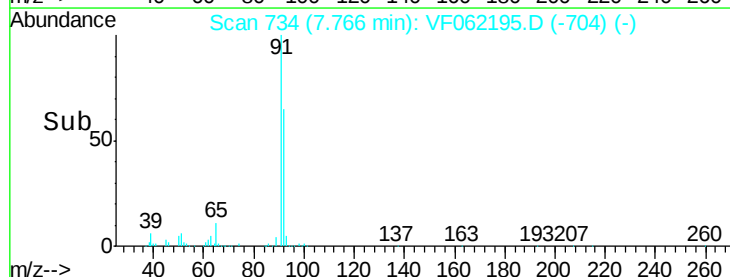
600000

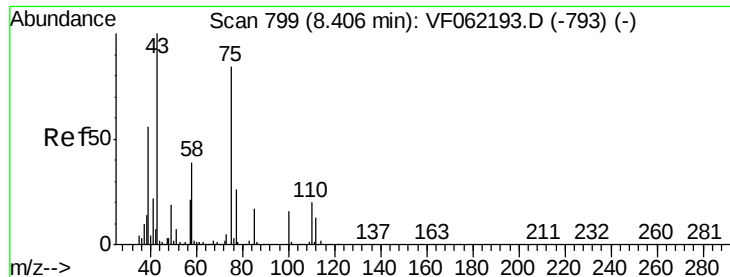
400000

200000

0

Time-->





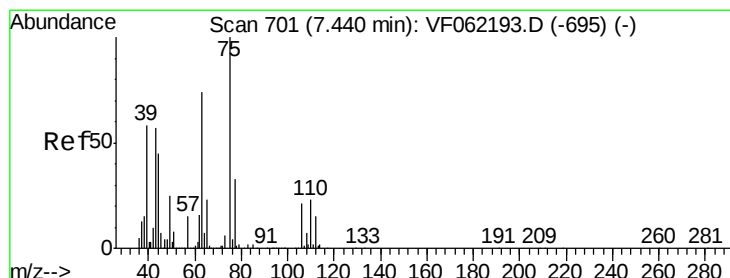
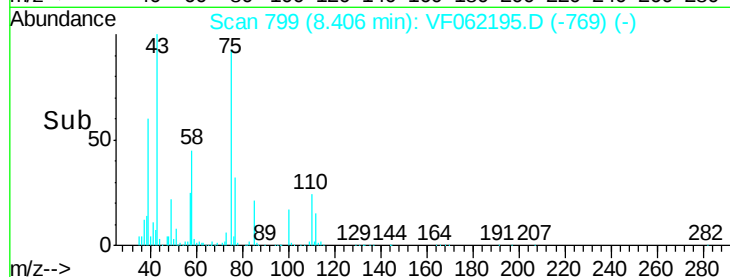
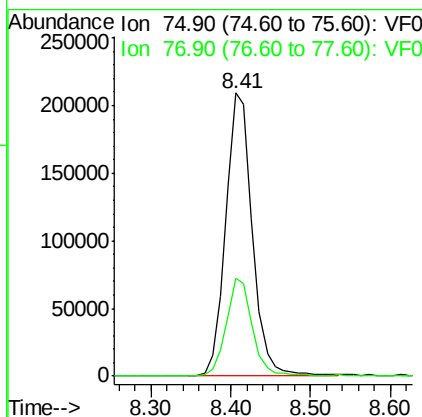
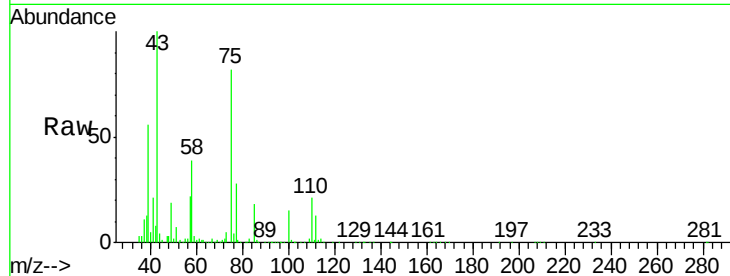
#53
t-1,3-Dichloropropene
Concen: 74.914 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.4	24.6	36.8

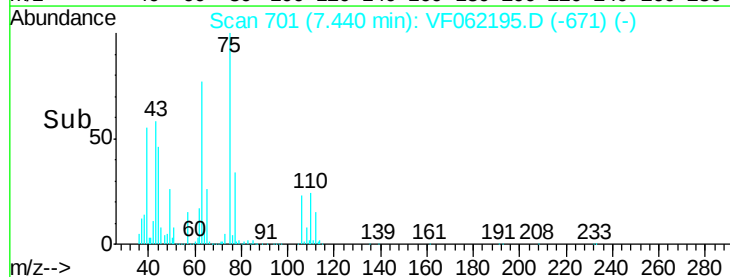
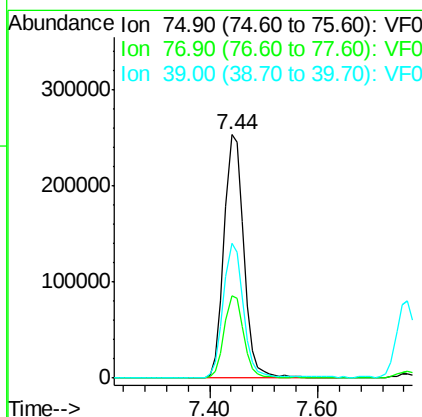
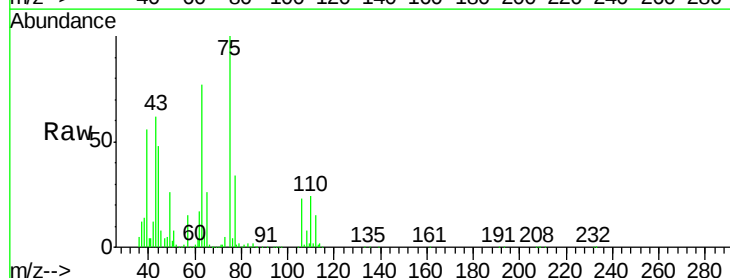
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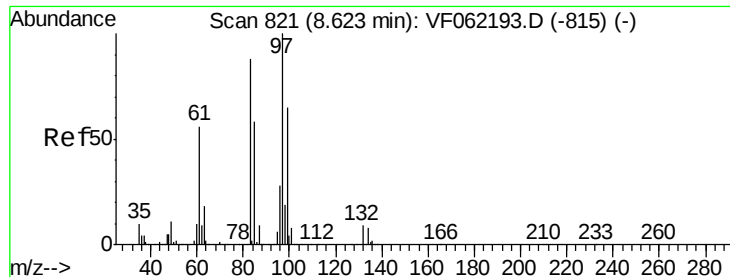
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 85.426 ug/l
RT: 7.44 min Scan# 701
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.8	26.4	39.6
39	55.3	46.7	70.1





#55

1,1,2-Trichloroethane

Concen: 70.300 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

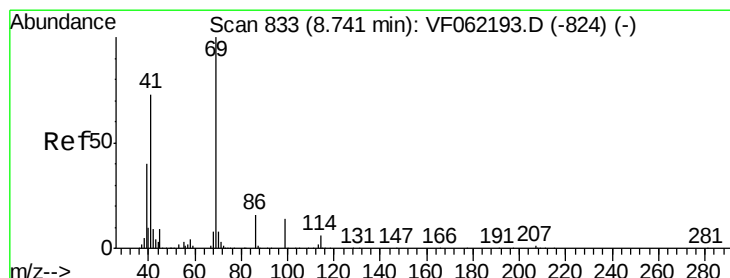
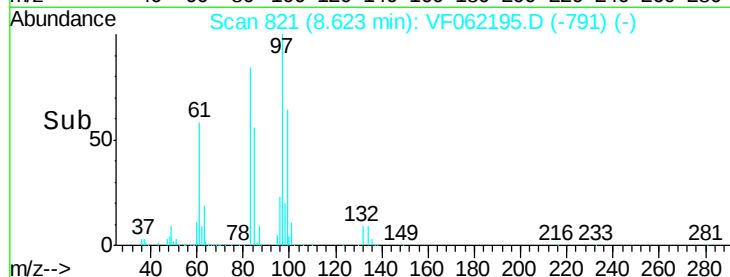
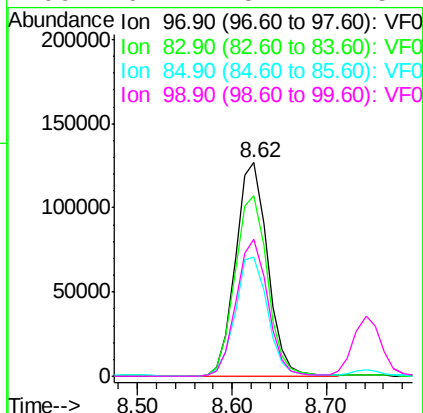
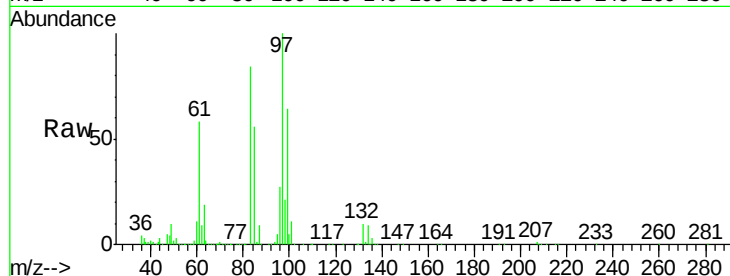
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	299510
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.2
85	55.6	46.2	69.4
99	64.1	52.2	78.4

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#56

Ethyl methacrylate

Concen: 48.908 ug/l

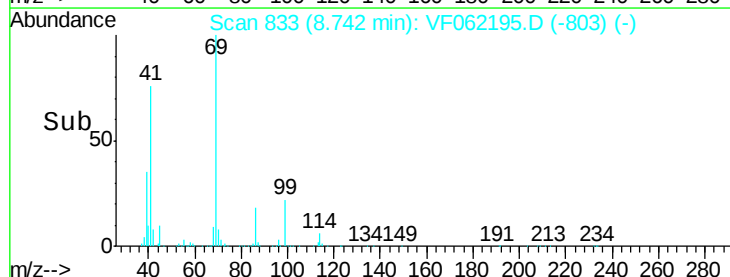
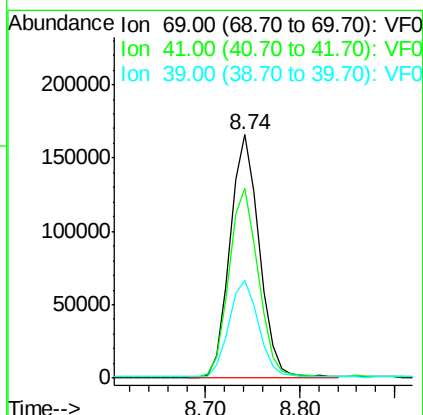
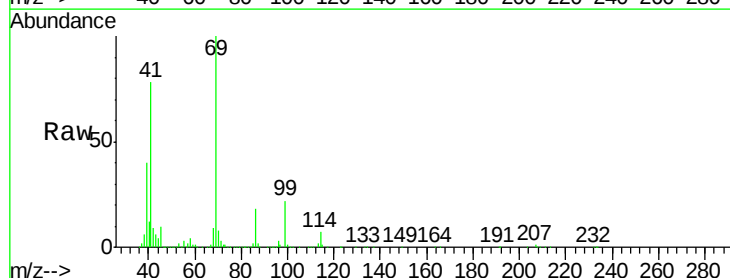
RT: 8.74 min Scan# 833

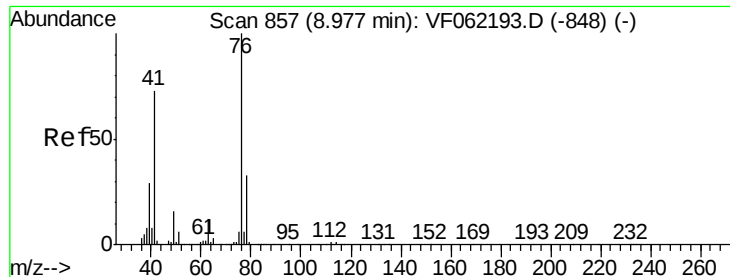
Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion:	69	Resp:	355819
Ion	Ratio	Lower	Upper
69	100		
41	77.7	61.5	92.3
39	40.0	33.3	49.9





#57

1,3-Dichloropropane

Concen: 65.619 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 492664

Ion Ratio Lower Upper

76 100

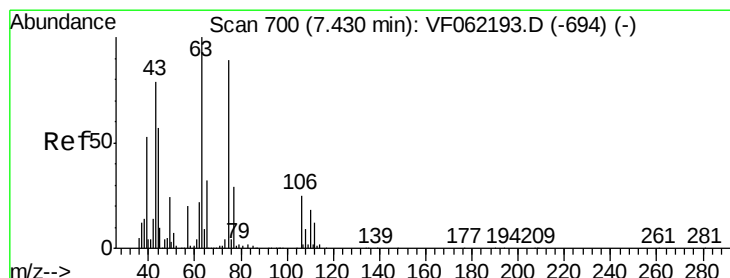
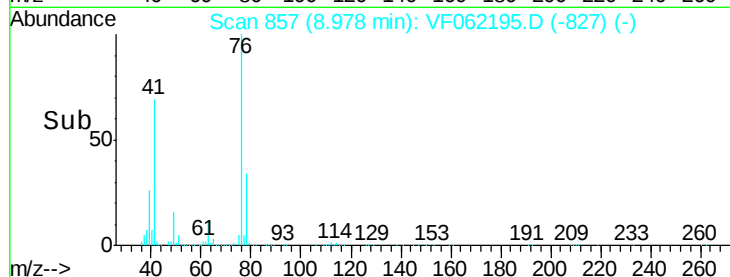
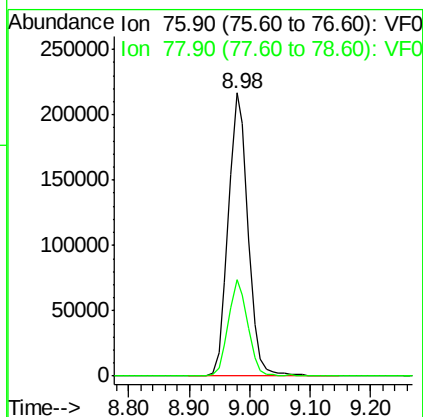
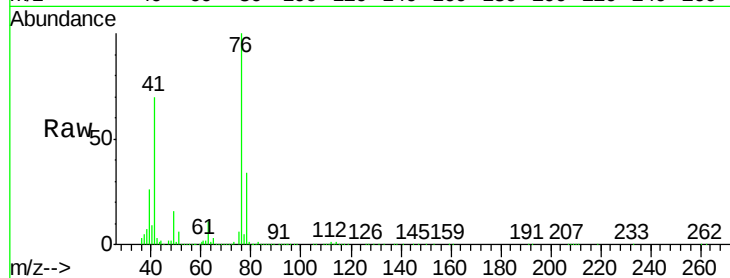
78 33.9 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 130.605 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VF062195.D

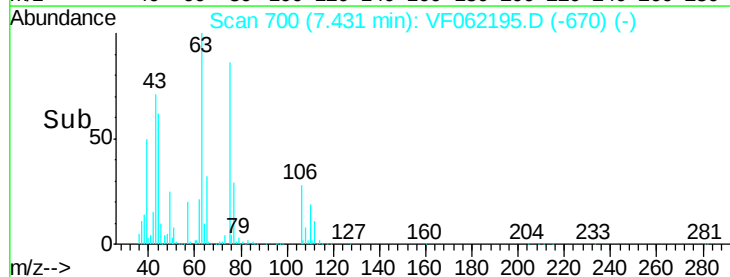
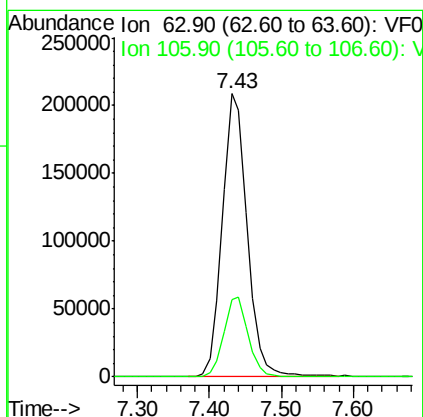
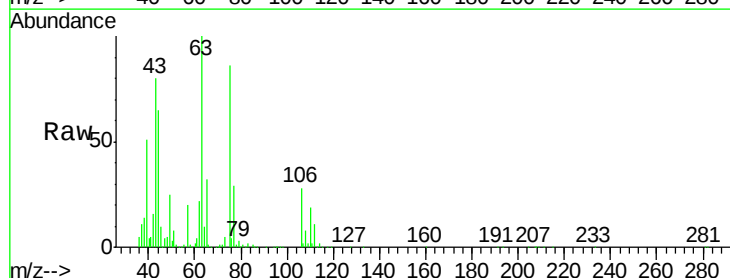
Acq: 17 Apr 2019 19:35

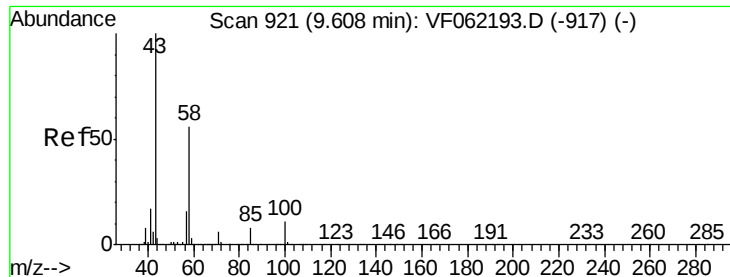
Tgt Ion: 63 Resp: 496129

Ion Ratio Lower Upper

63 100

106 28.1 21.4 32.0





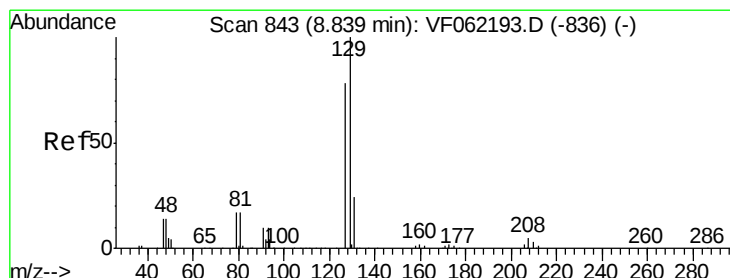
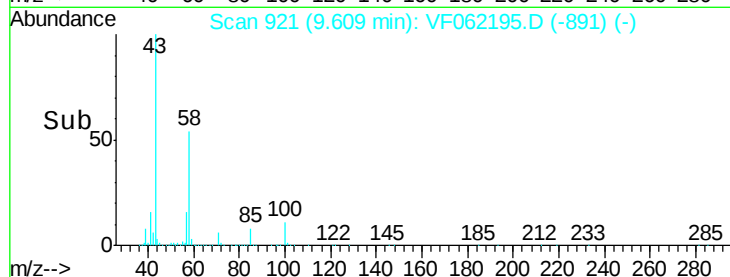
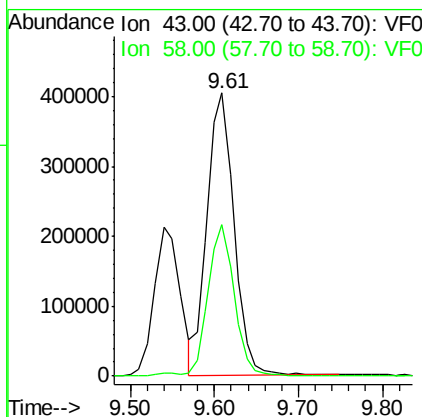
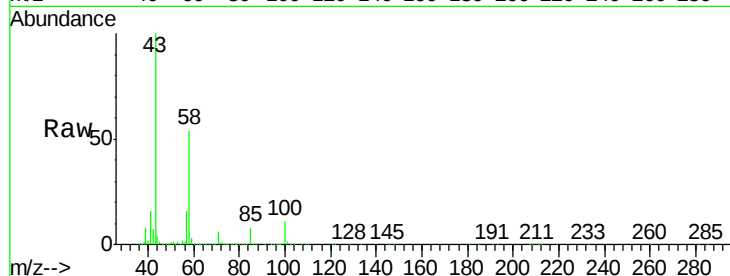
#59
2-Hexanone
Concen: 155.826 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 898221
Ion Ratio Lower Upper
43 100
58 52.1 24.6 74.0

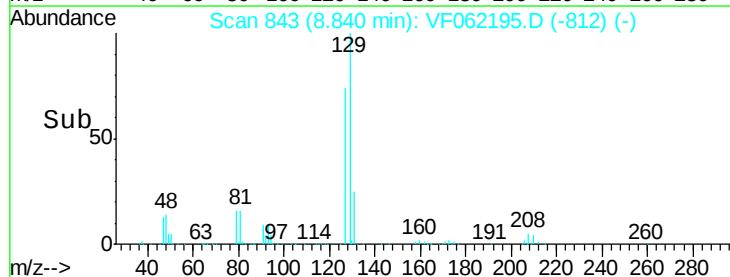
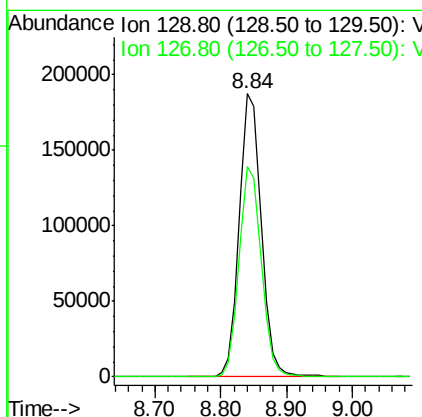
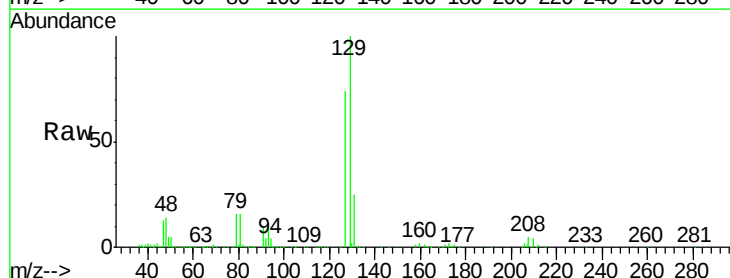
Manual Integrations
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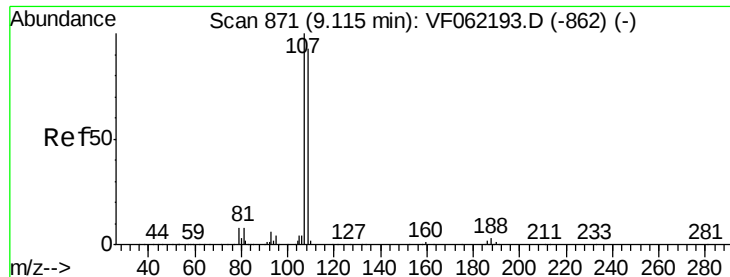
MMDadoda
4/19/2019 10:53:33 AM



#60
Dibromochloromethane
Concen: 103.210 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion: 129 Resp: 444489
Ion Ratio Lower Upper
129 100
127 75.7 39.0 117.0





#61

1,2-Dibromoethane

Concen: 78.097 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 346180

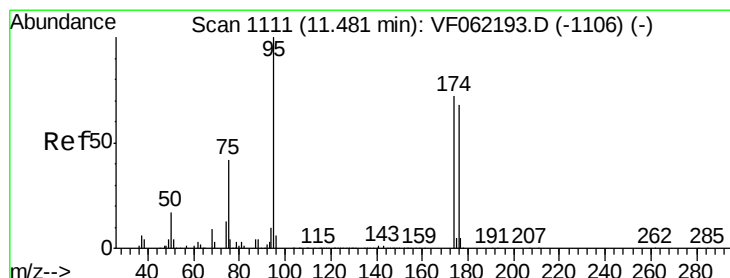
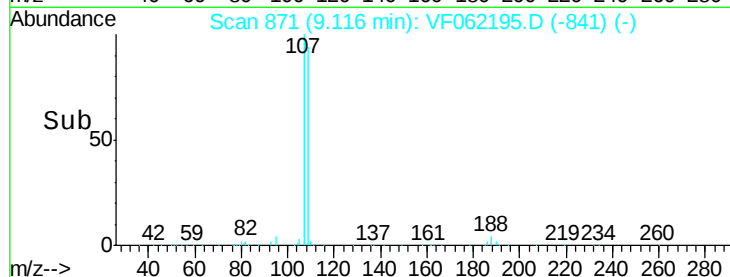
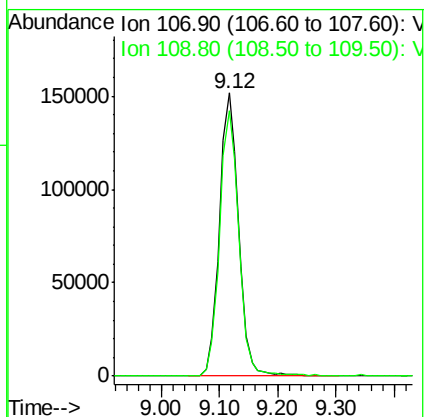
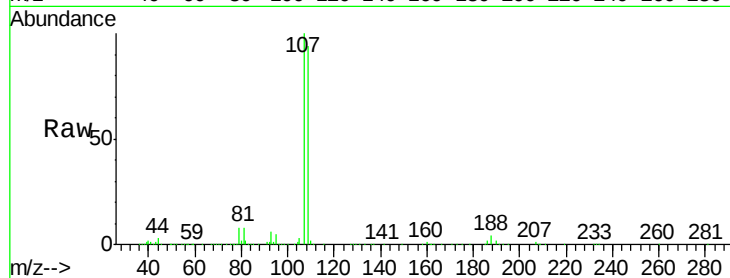
Ion Ratio Lower Upper

107 100

109 94.7 74.3 111.5

Manual Integrations
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4/19/2019 10:53:33 AM



#62

4-Bromofluorobenzene

Concen: 91.878 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

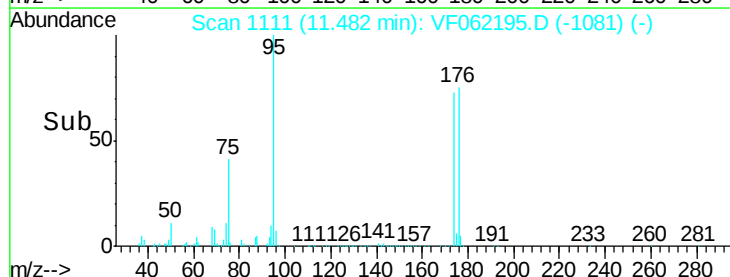
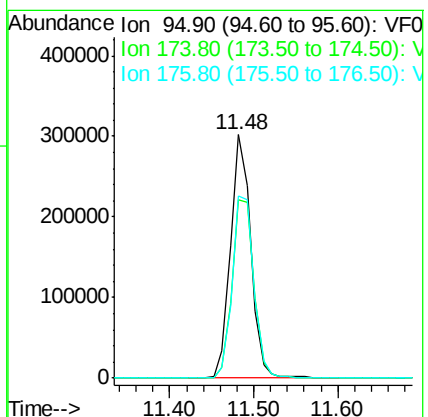
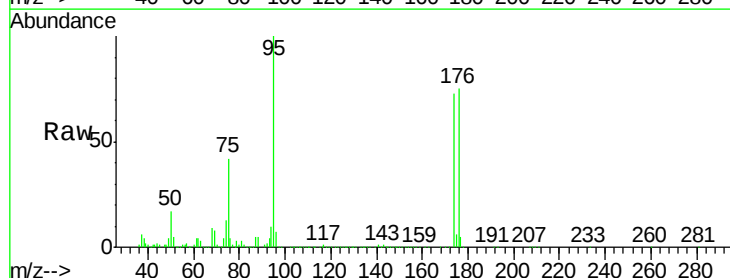
Tgt Ion: 95 Resp: 507499

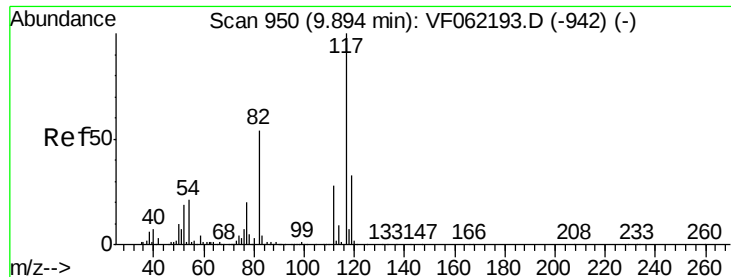
Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.4

176 79.8 0.0 155.4





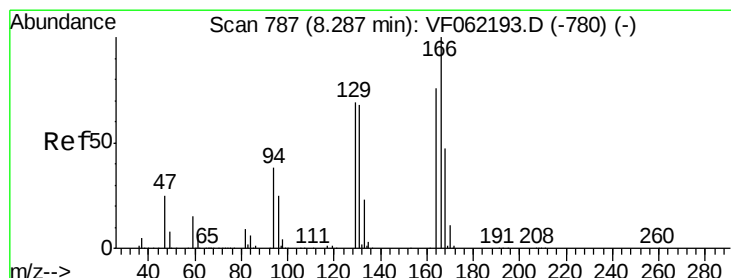
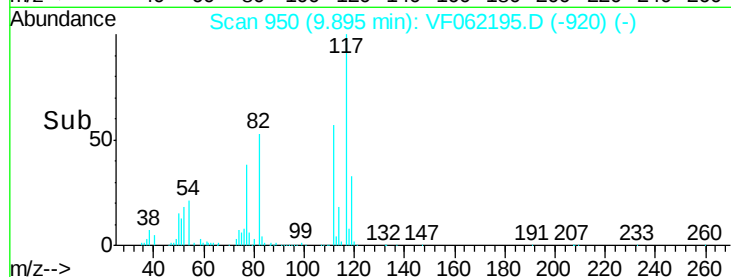
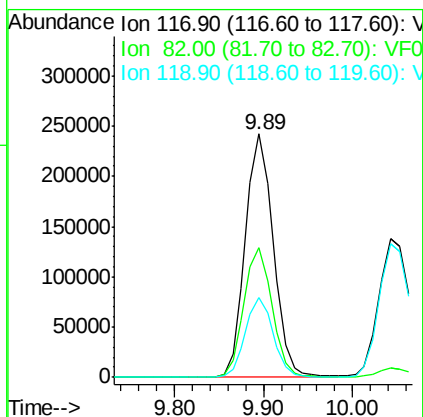
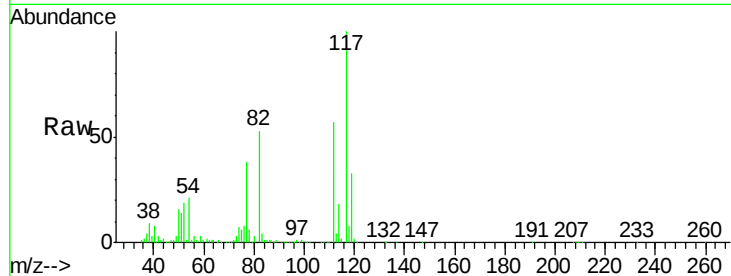
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.2	64.8
119	32.8	26.2	39.4

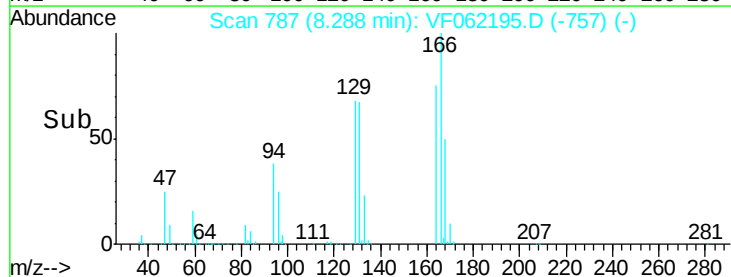
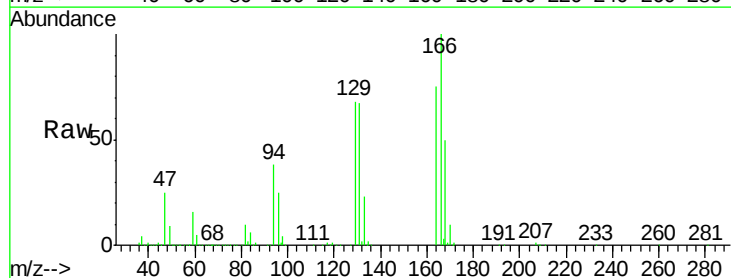
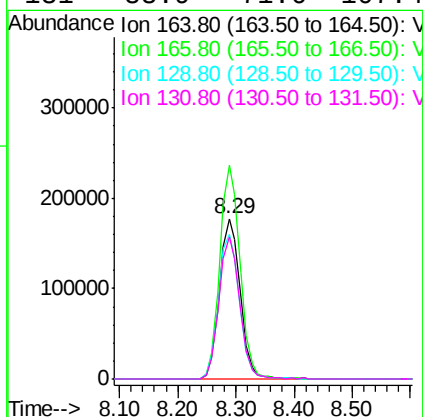
Manual Integrations
APPROVED

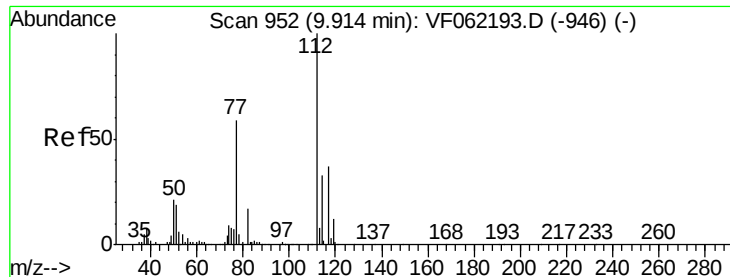
MMDadoda
4/19/2019 10:53:33 AM



#64
Tetrachloroethene
Concen: 105.549 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	104.7	157.1
129	90.2	72.6	109.0
131	88.9	71.6	107.4





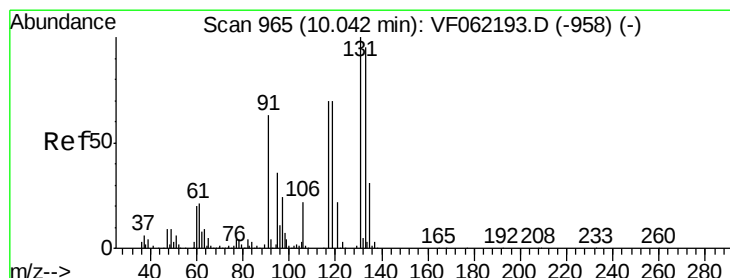
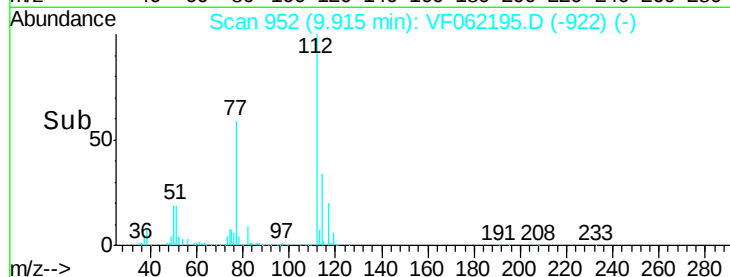
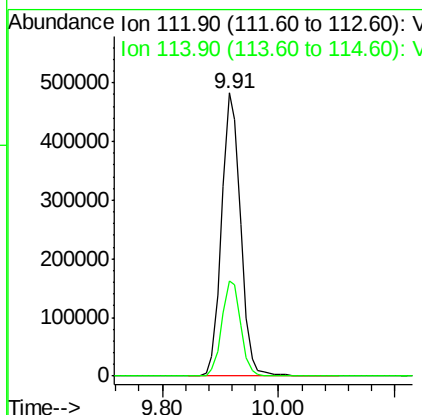
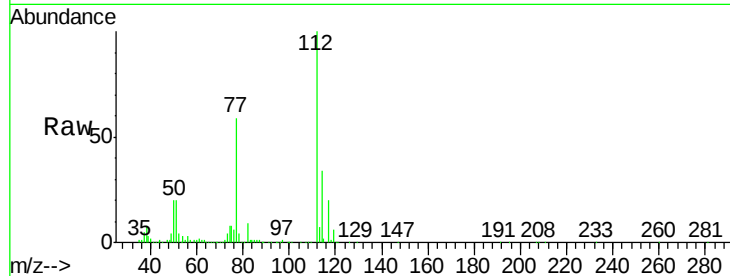
#65
Chlorobenzene
Concen: 96.194 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1092492
Ion Ratio Lower Upper
112 100
114 33.8 26.1 39.1

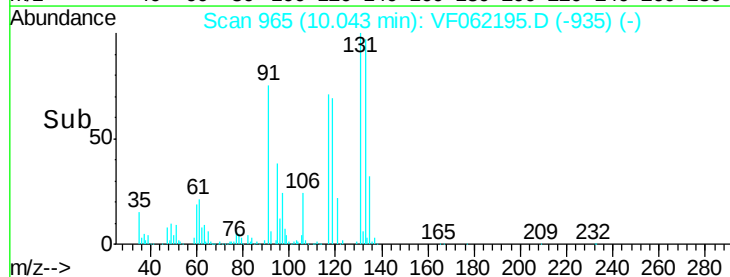
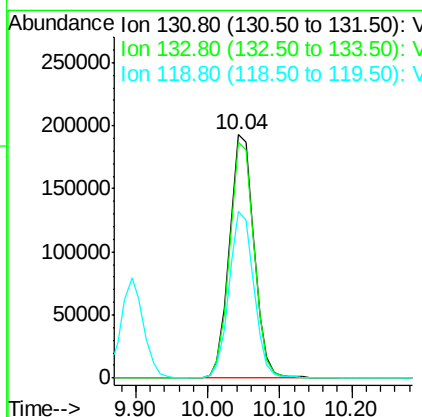
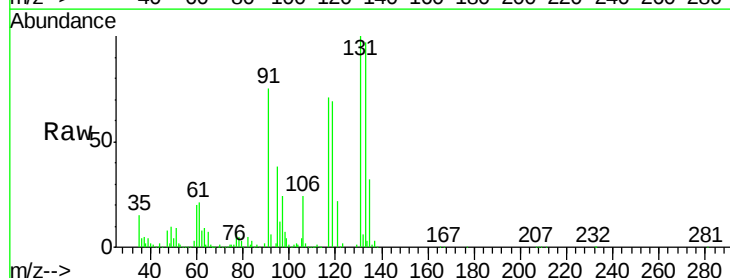
Manual Integrations
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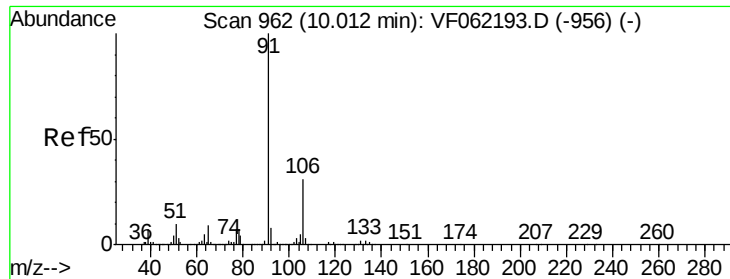
MMDadoda
4/19/2019 10:53:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 110.811 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion:131 Resp: 461447
Ion Ratio Lower Upper
131 100
133 97.1 47.7 143.1
119 68.7 34.6 103.9





#67

Ethyl Benzene

Concen: 90.394 ug/l

RT: 10.01 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1848421

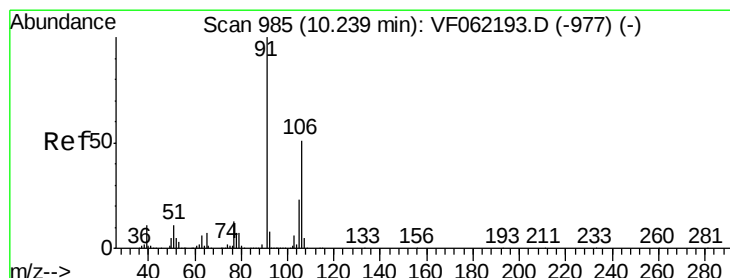
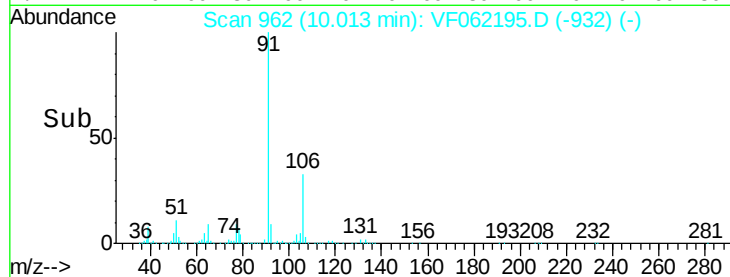
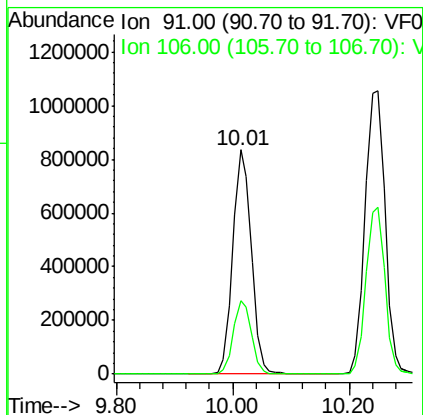
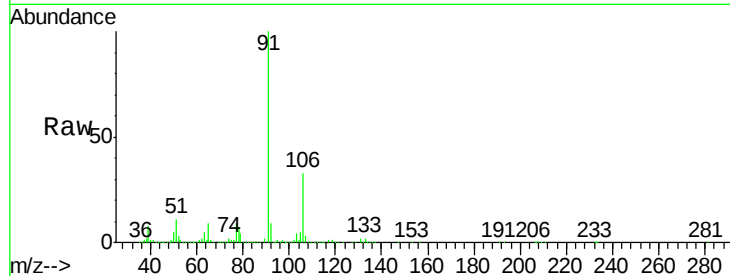
Ion Ratio Lower Upper

91 100

106 32.9 24.9 37.3

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 189.436 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VF062195.D

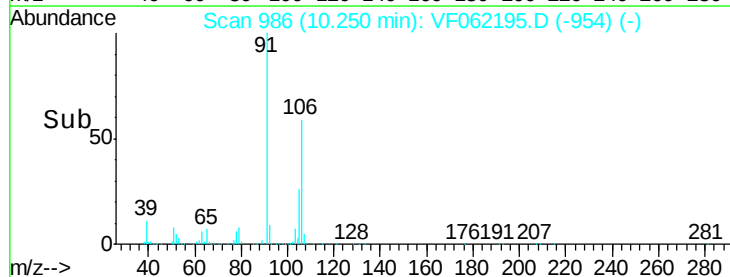
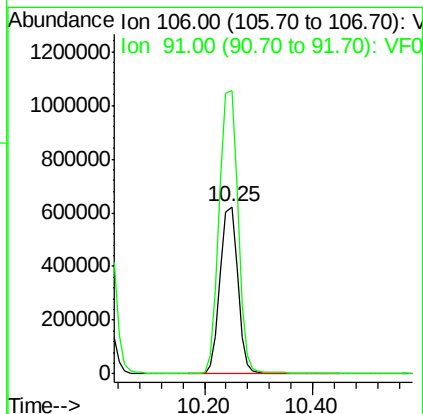
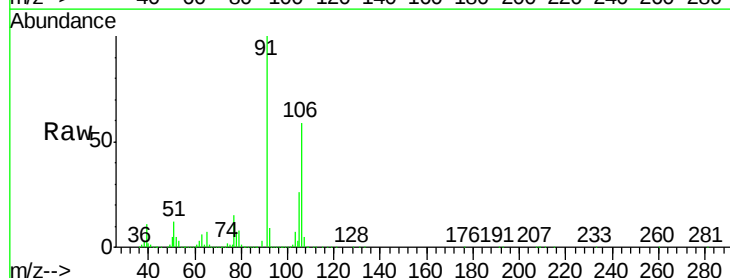
Acq: 17 Apr 2019 19:35

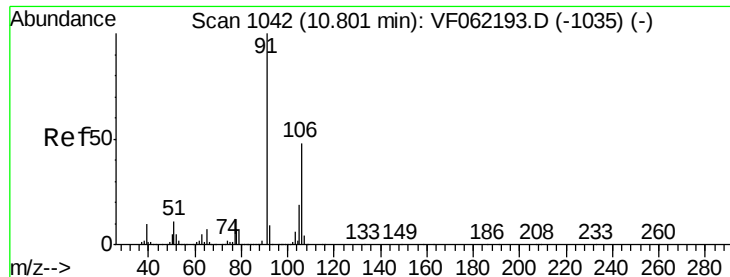
Tgt Ion: 106 Resp: 1409443

Ion Ratio Lower Upper

106 100

91 180.2 159.1 238.7





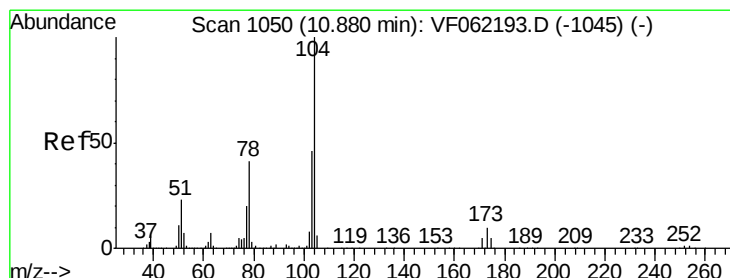
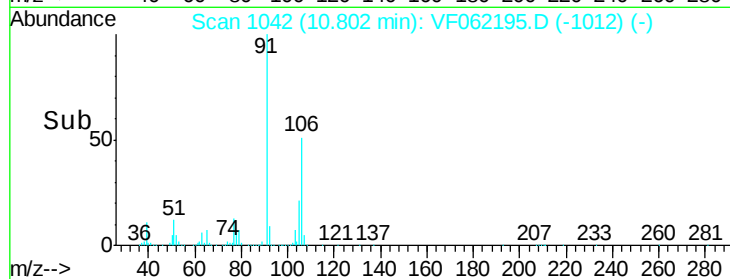
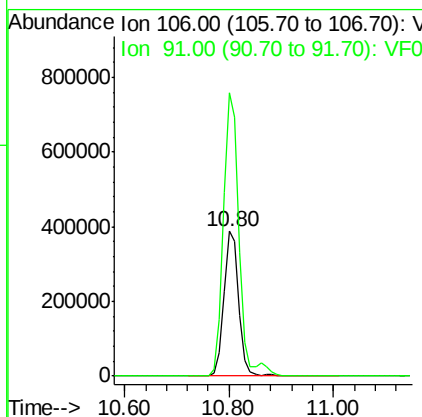
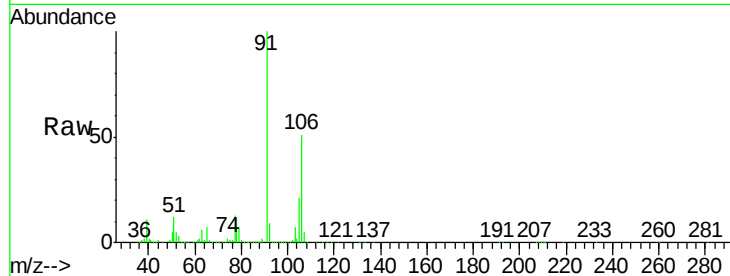
#69
o-Xylene
Concen: 101.591 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	200.9	107.5	322.4

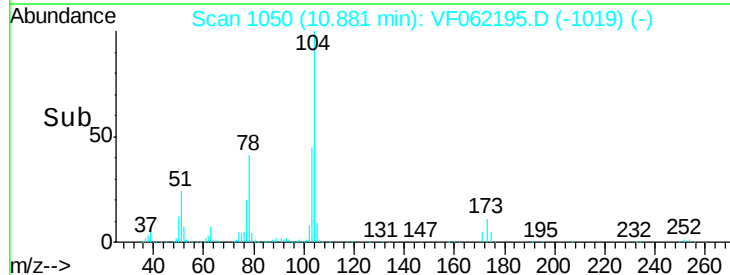
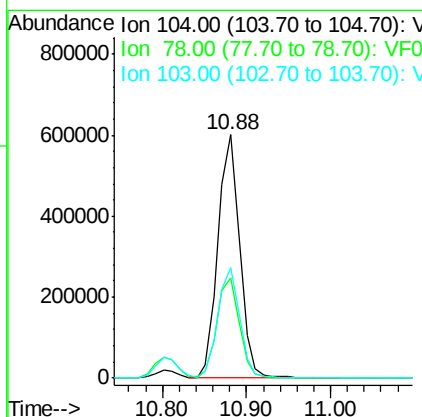
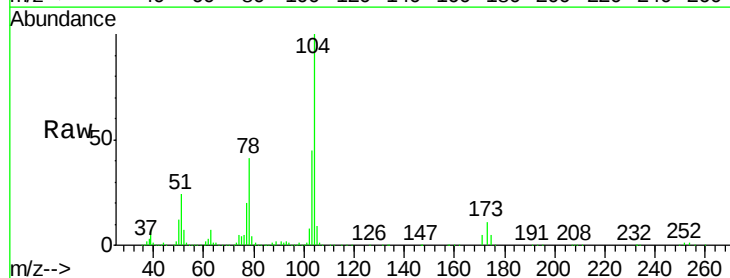
Manual Integrations
APPROVED

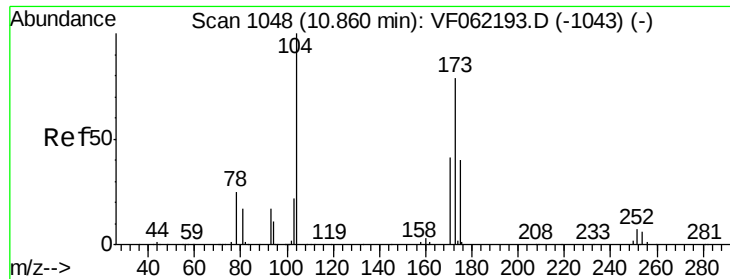
MMDadoda
4/19/2019 10:53:33 AM



#70
Styrene
Concen: 87.479 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	42.5	34.5	51.7
103	103	45.9	37.2	55.8





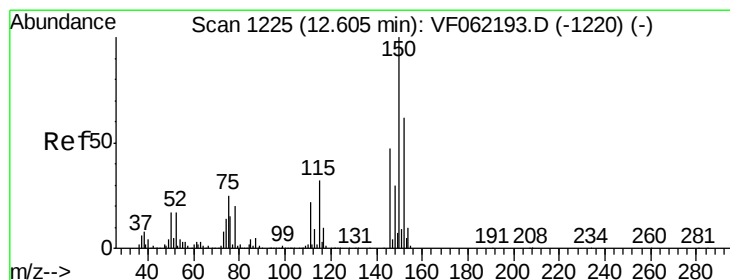
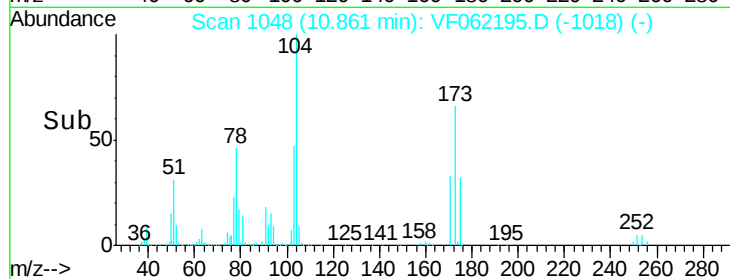
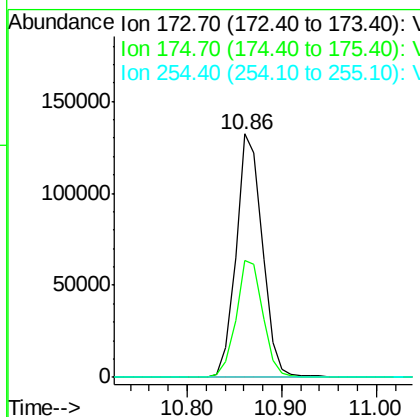
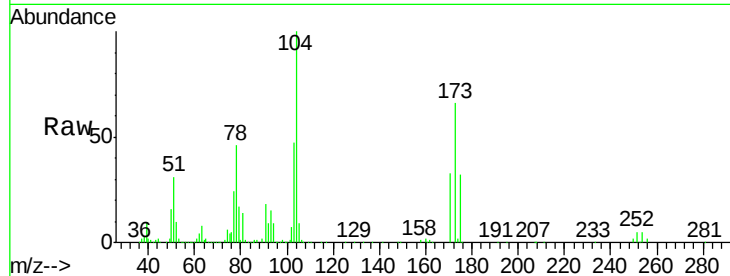
#71
Bromoform
Concen: 83.082 ug/l
RT: 10.86 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.5	73.5
254	0.0	0.1	0.1#

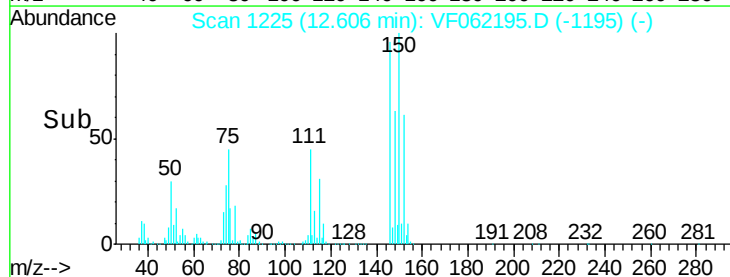
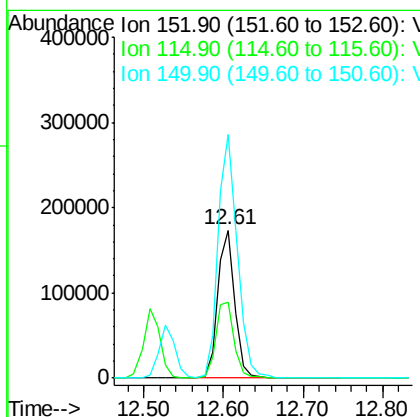
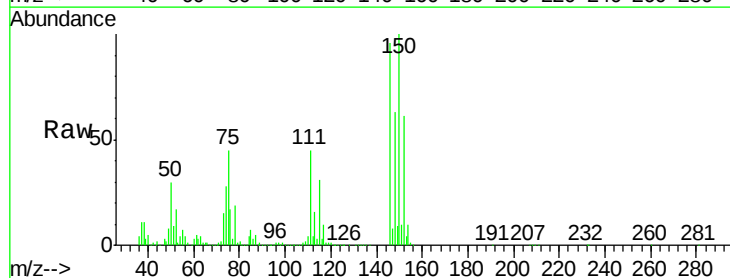
Manual Integrations
APPROVED

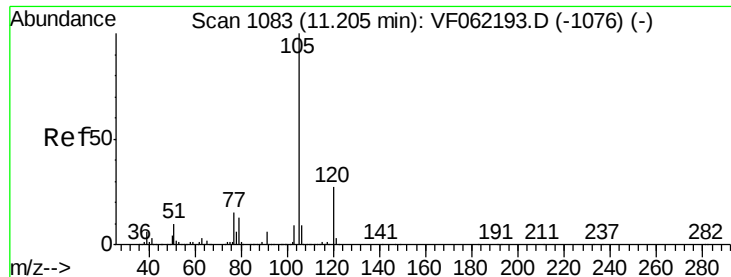
MMDadoda
4/19/2019 10:53:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.3
150	183.9	0.0	341.8





#73

Isopropylbenzene

Concen: 96.374 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1976863

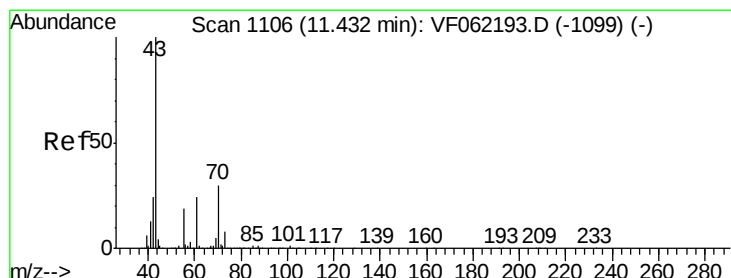
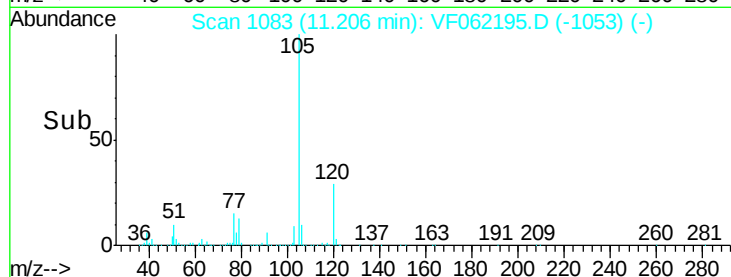
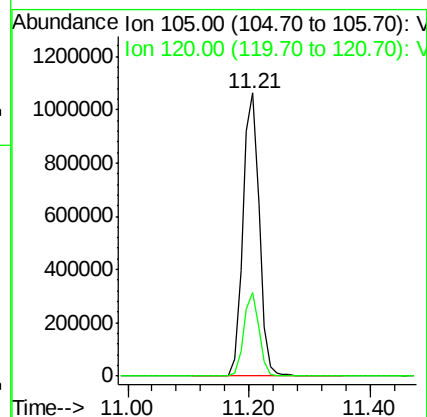
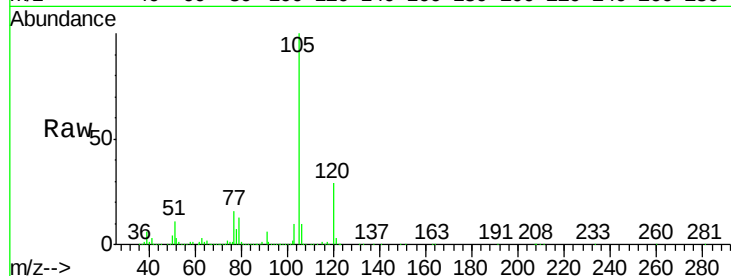
Ion Ratio Lower Upper

105 100

120 27.5 13.0 38.9

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 50.851 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Tgt Ion: 43 Resp: 531643

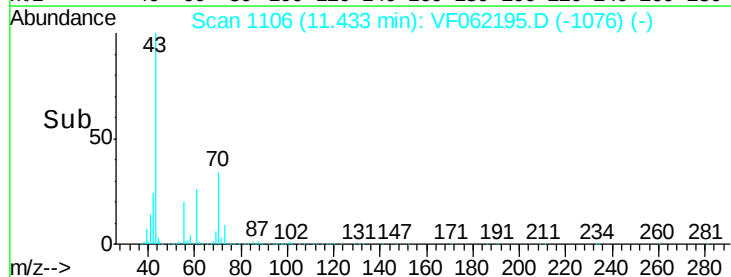
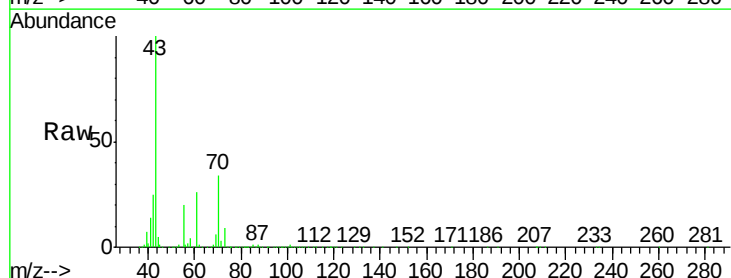
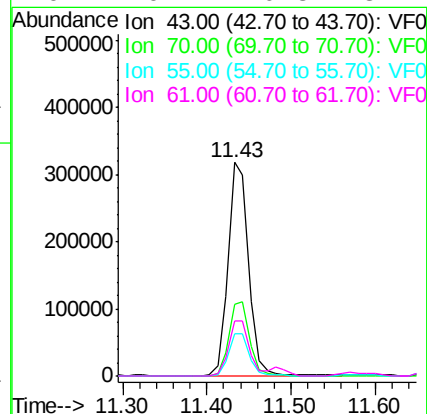
Ion Ratio Lower Upper

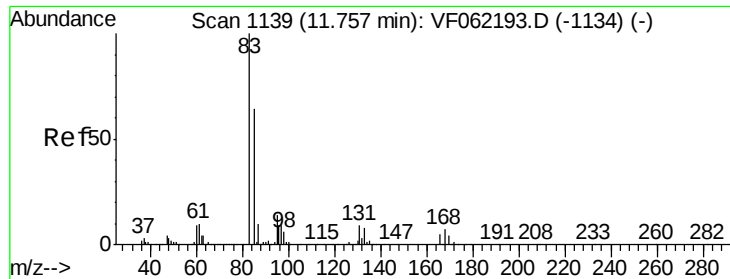
43 100

70 35.2 27.0 40.4

55 20.0 15.7 23.5

61 26.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.850 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 365176
Ion Ratio Lower Upper

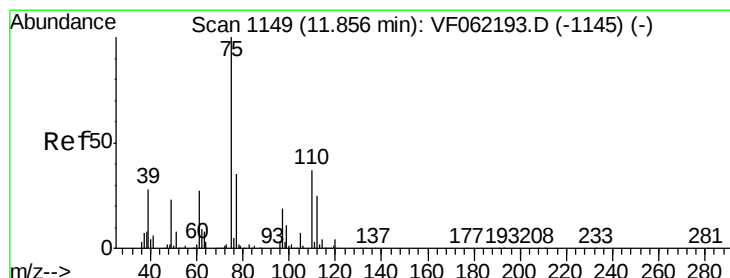
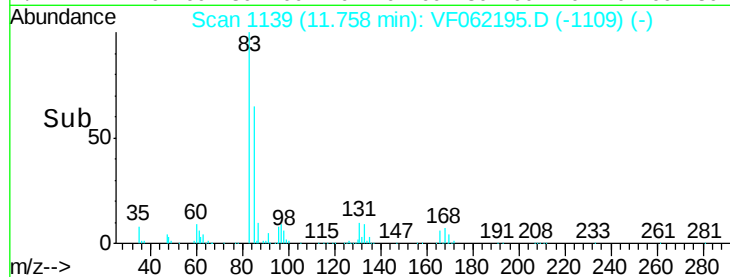
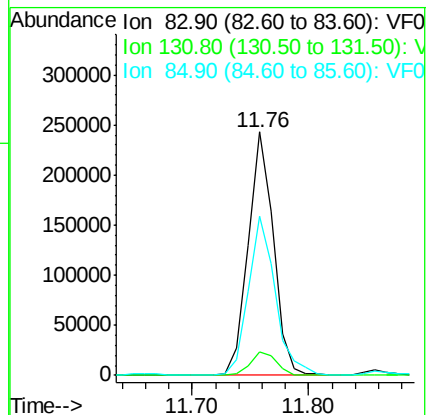
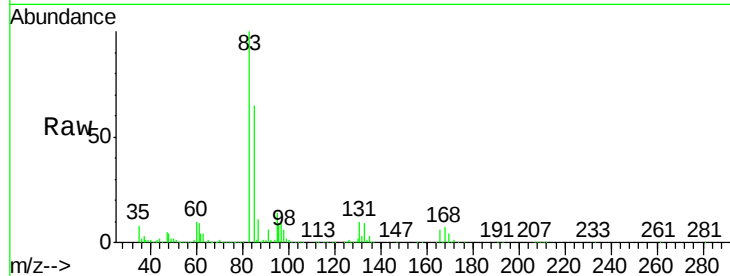
83 100

131 10.0 4.5 13.5

85 69.9 34.7 104.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.533 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

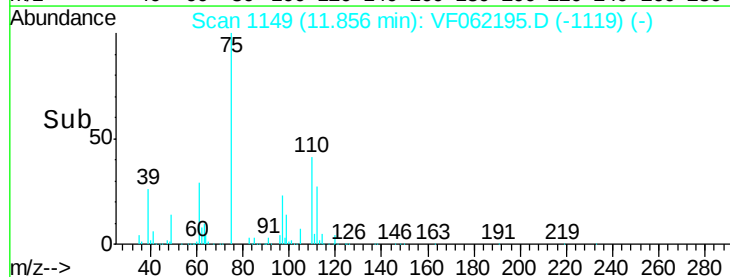
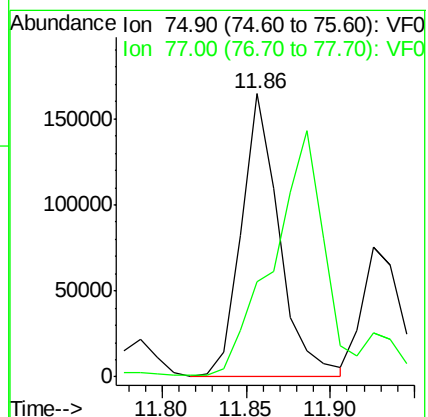
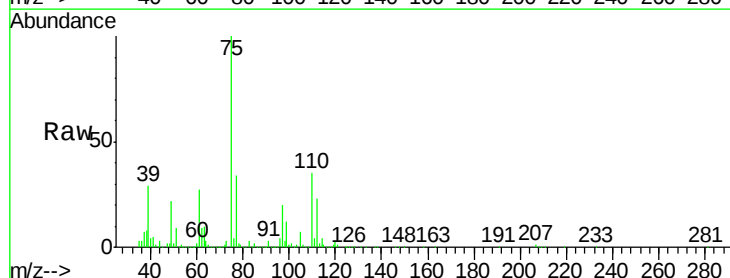
Lab File: VF062195.D

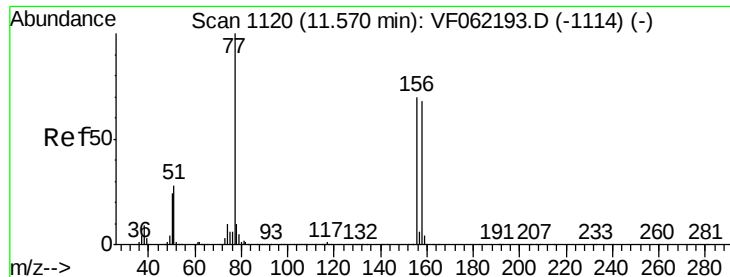
Acq: 17 Apr 2019 19:35

Tgt Ion: 75 Resp: 255076
Ion Ratio Lower Upper

75 100

77 0.0 7.4 22.2#





#77

Bromobenzene

Concen: 92.916 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 468532

Ion Ratio Lower Upper

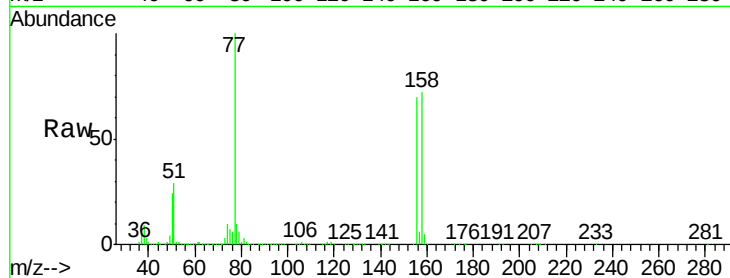
156 100

77 158.7 80.9 242.7

158 100.8 49.8 149.4

Manual Integrations
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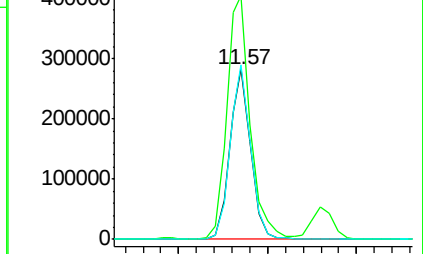
MMDadoda
4/19/2019 10:53:33 AM



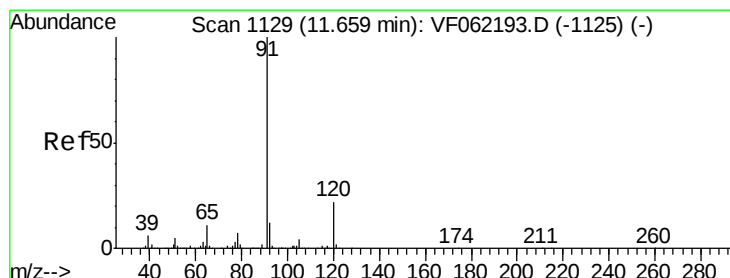
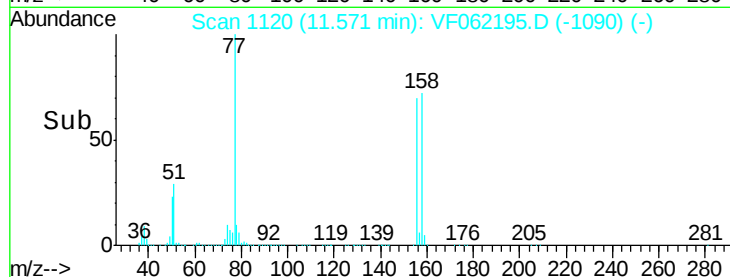
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 90.963 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF062195.D

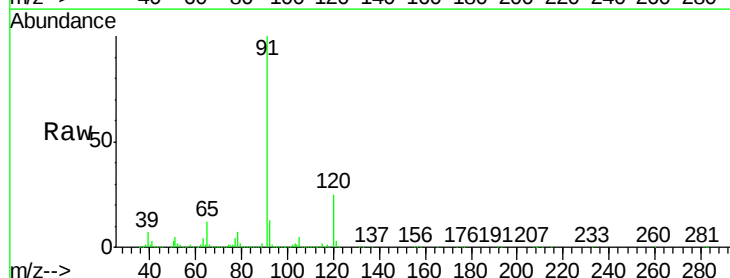
Acq: 17 Apr 2019 19:35

Tgt Ion: 91 Resp: 2089518

Ion Ratio Lower Upper

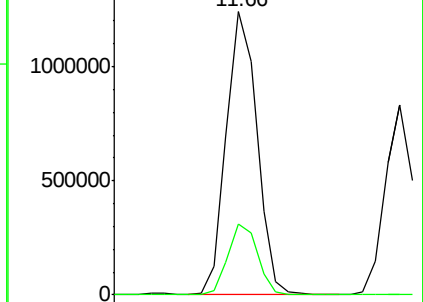
91 100

120 24.3 11.2 33.6

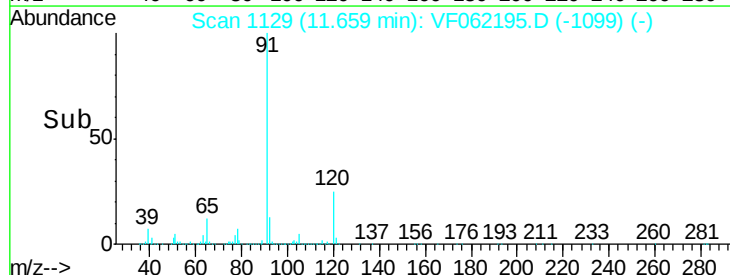


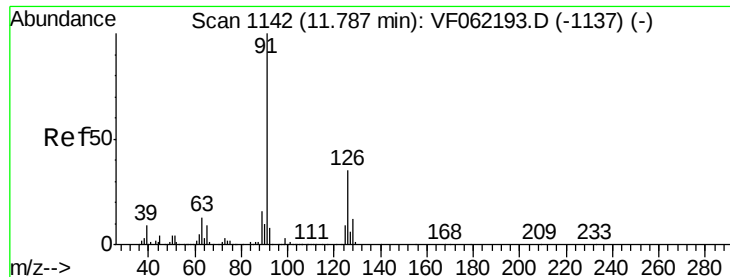
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 93.060 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1299795

Ion Ratio Lower Upper

91 100

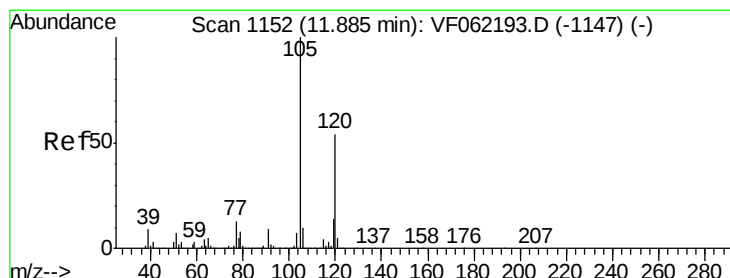
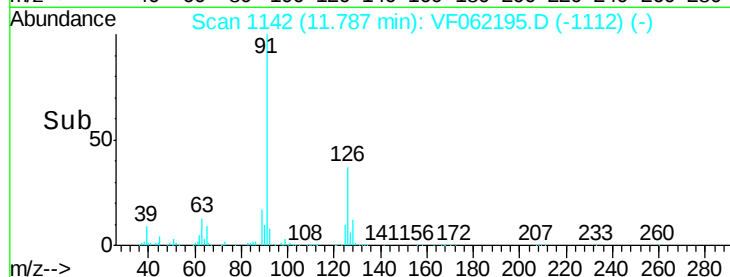
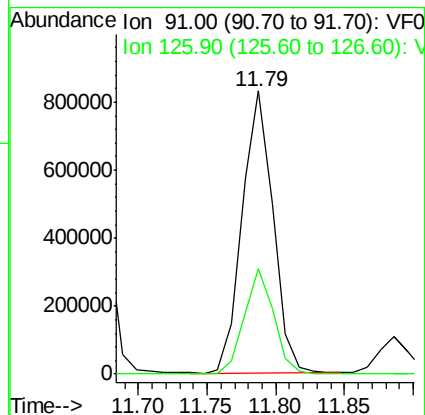
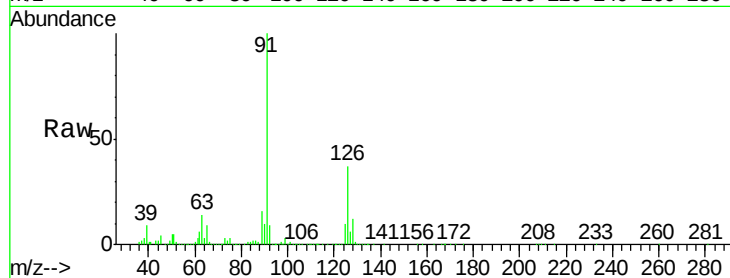
126 36.1 16.9 50.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 93.632 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062195.D

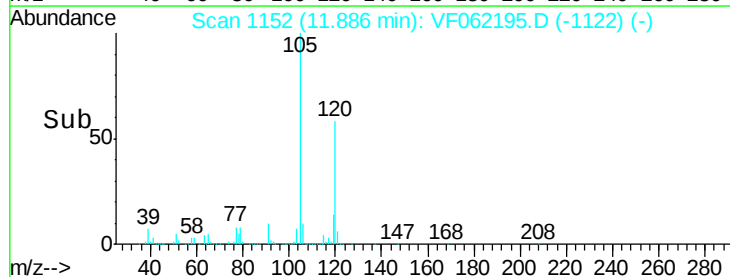
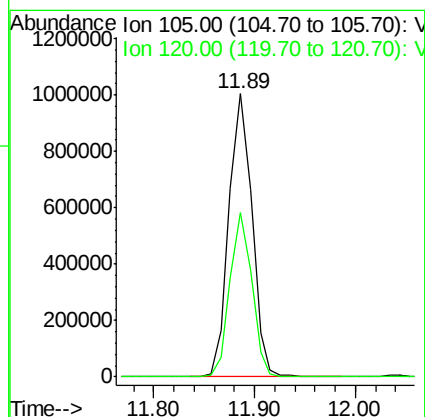
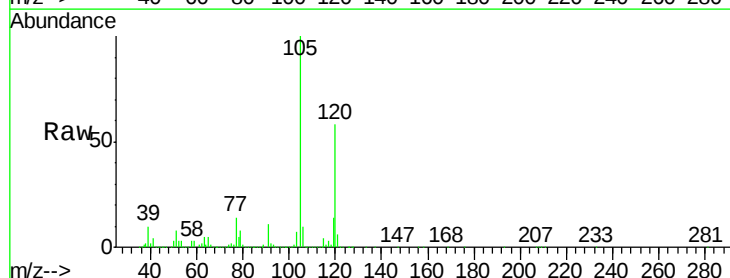
Acq: 17 Apr 2019 19:35

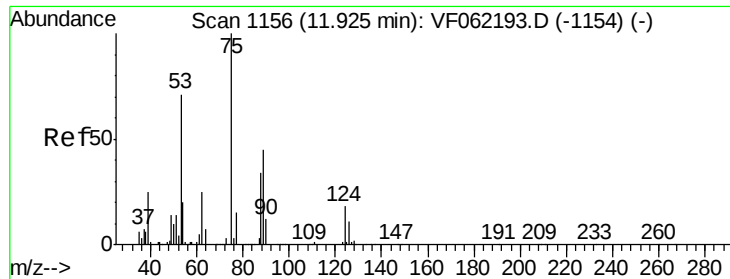
Tgt Ion: 105 Resp: 1605149

Ion Ratio Lower Upper

105 100

120 55.4 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 56.043 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 128533

Ion Ratio Lower Upper

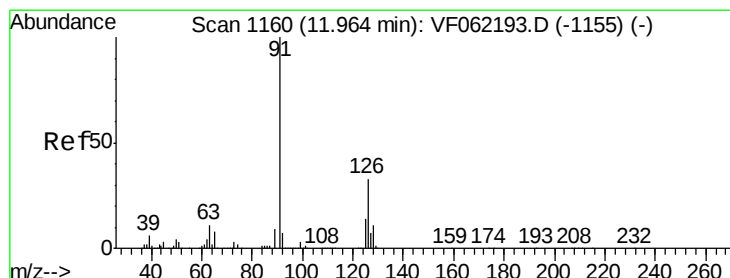
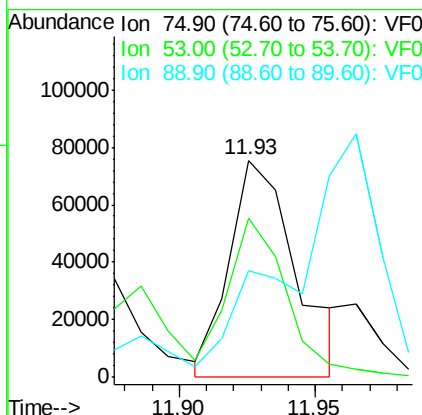
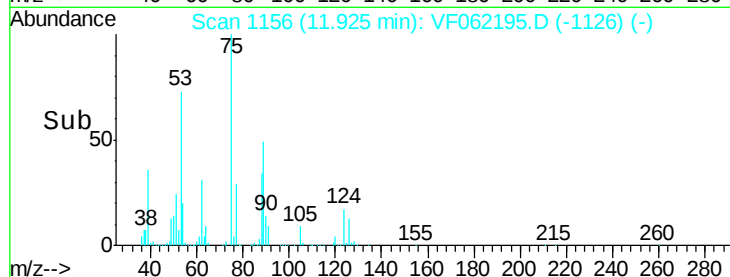
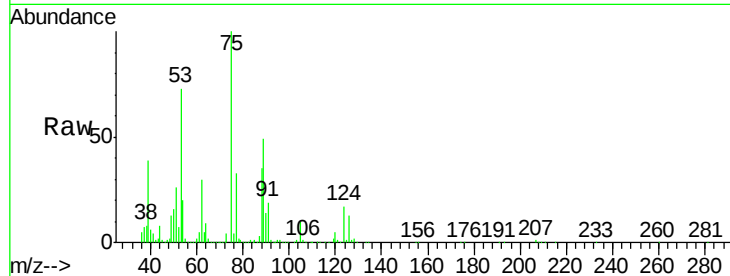
75 100

53 64.7 50.2 75.4

89 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
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#82

4-Chlorotoluene

Concen: 80.466 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062195.D

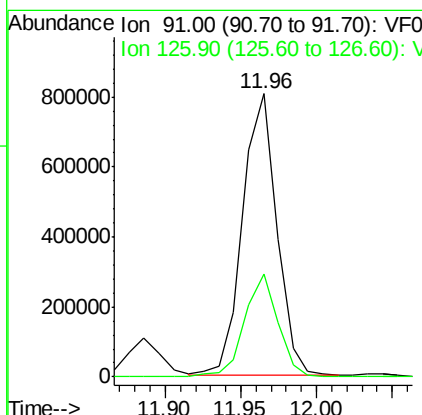
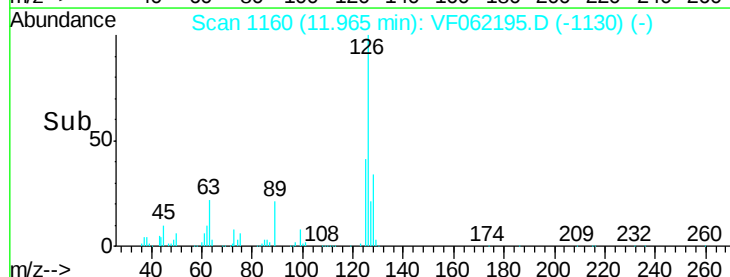
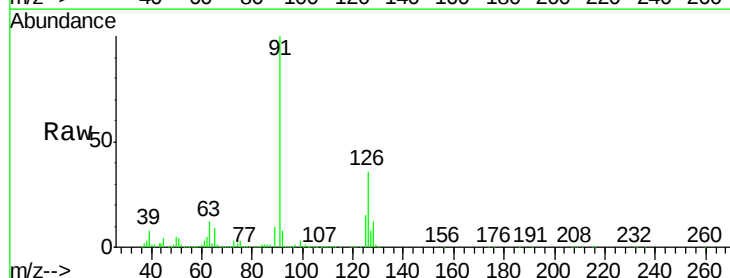
Acq: 17 Apr 2019 19:35

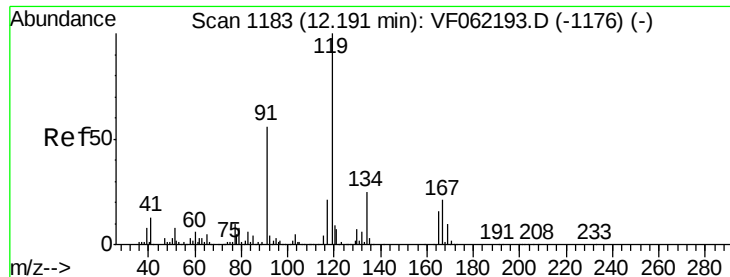
Tgt Ion: 91 Resp: 1263718

Ion Ratio Lower Upper

91 100

126 36.8 16.9 50.6





#83

tert-Butylbenzene

Concen: 99.845 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF062195.D

Acq: 17 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1671460

Ion Ratio Lower Upper

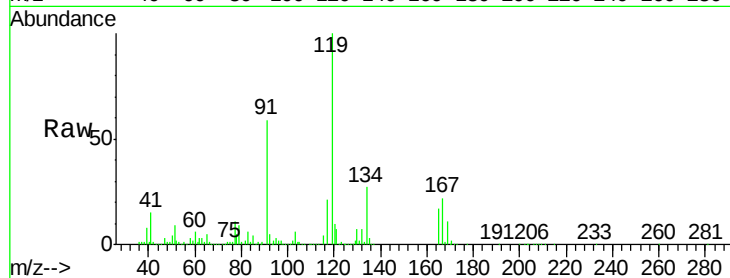
119 100

91 59.9 29.4 88.2

134 25.3 11.8 35.3

Manual Integrations
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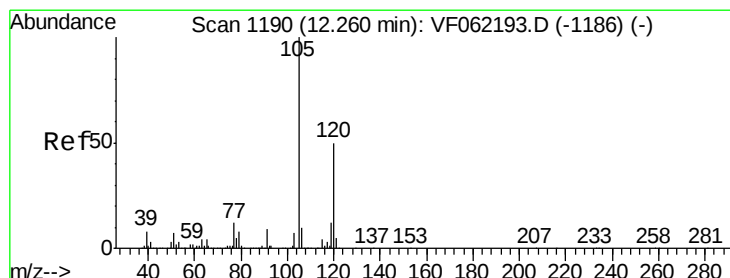
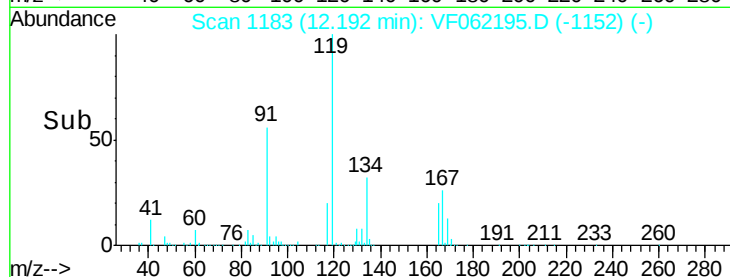
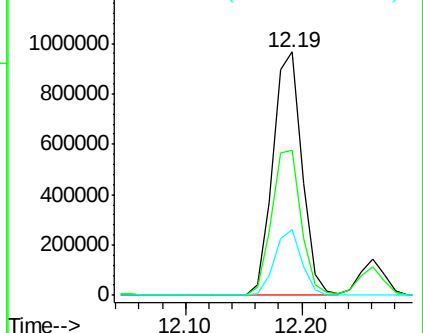
MMDadoda
4/19/2019 10:53:33 AM



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: 90.468 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VF062195.D

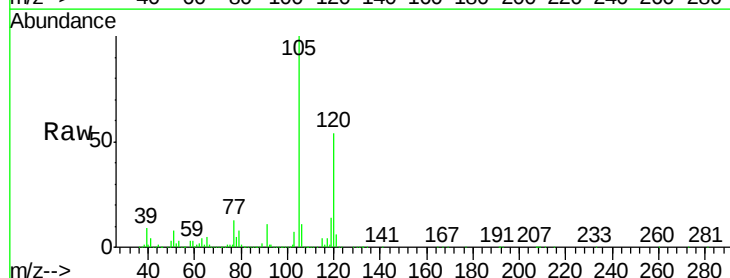
Acq: 17 Apr 2019 19:35

Tgt Ion:105 Resp: 1559903

Ion Ratio Lower Upper

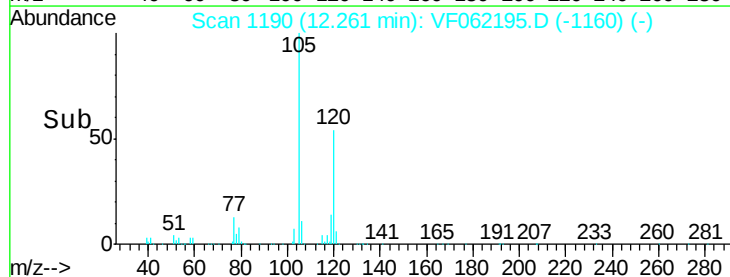
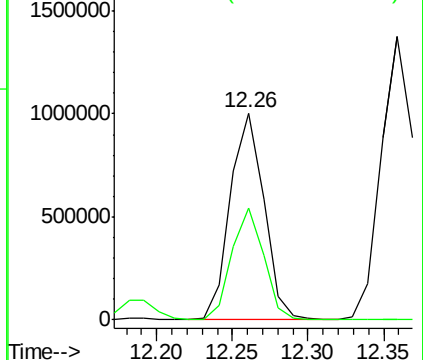
105 100

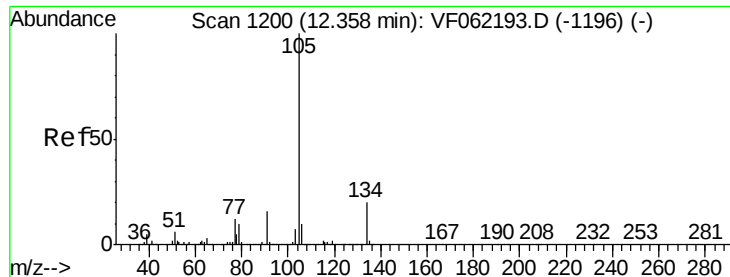
120 51.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





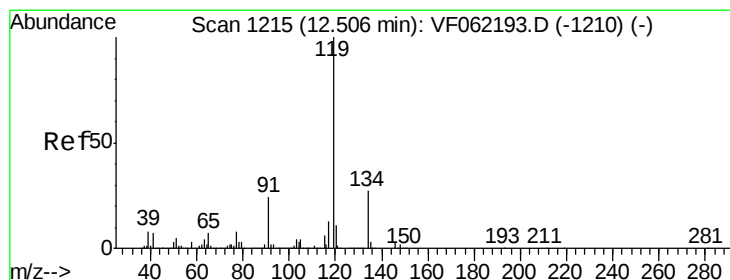
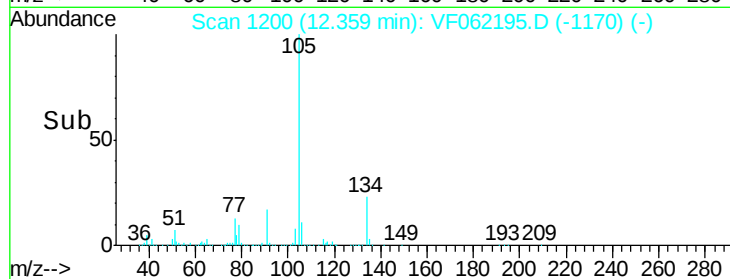
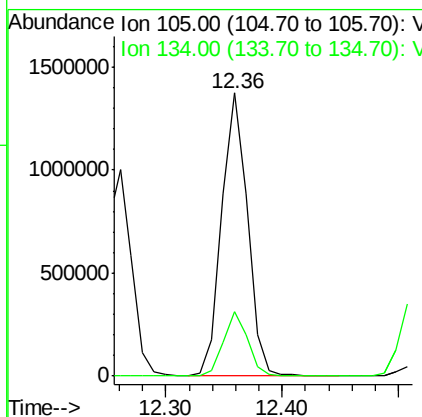
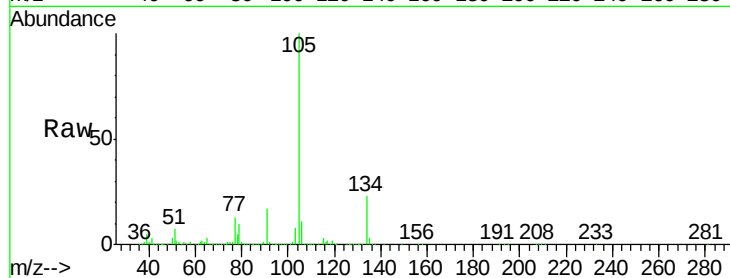
#85
 sec-Butylbenzene
 Concen: 104.554 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2120430
 Ion Ratio Lower Upper
 105 100
 134 21.1 9.7 29.1

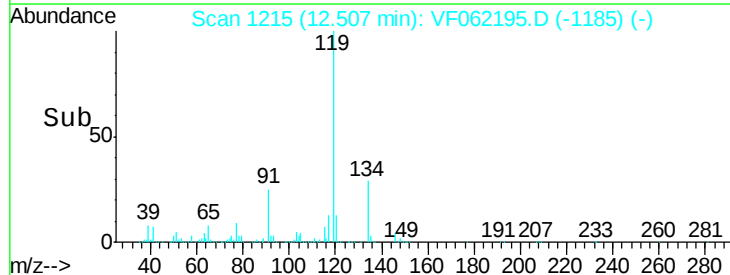
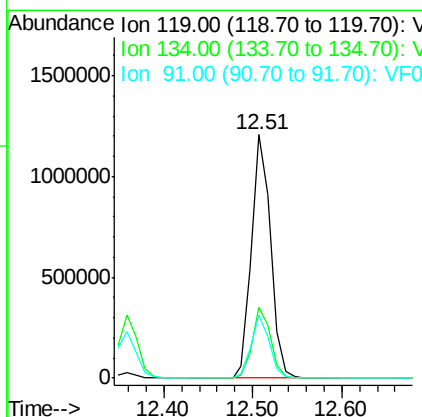
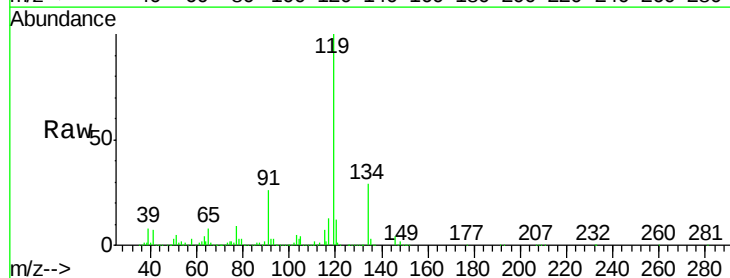
Manual Integrations
 APPROVED

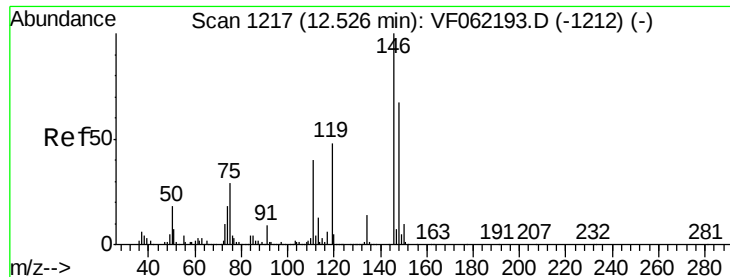
MMDadoda
 4/19/2019 10:53:33 AM



#86
 p-Isopropyltoluene
 Concen: 96.934 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion:119 Resp: 1773484
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.2 39.5
 91 24.8 11.7 35.1





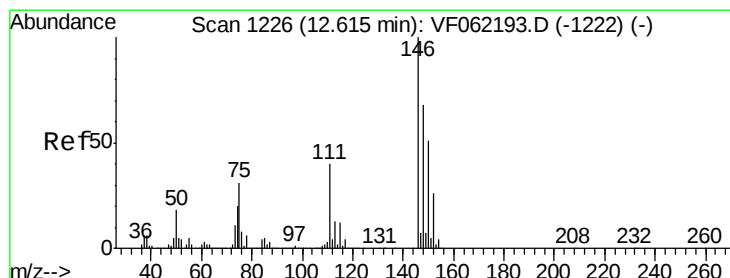
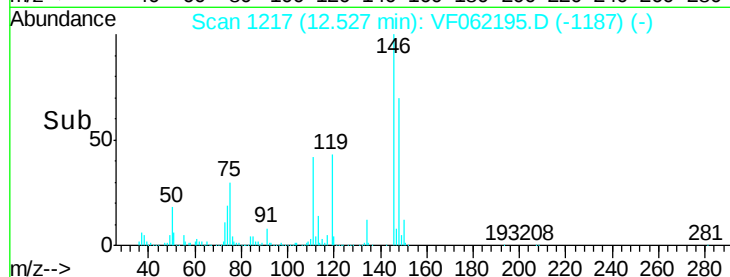
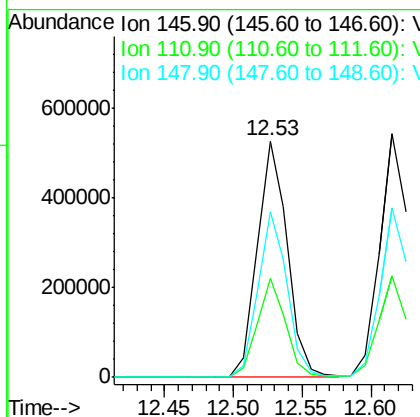
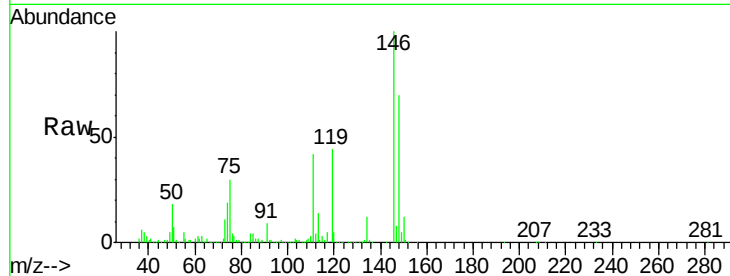
#87
 1,3-Dichlorobenzene
 Concen: 90.334 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	68.2	32.9	98.6

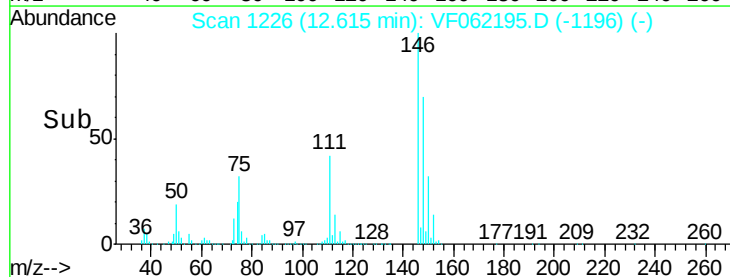
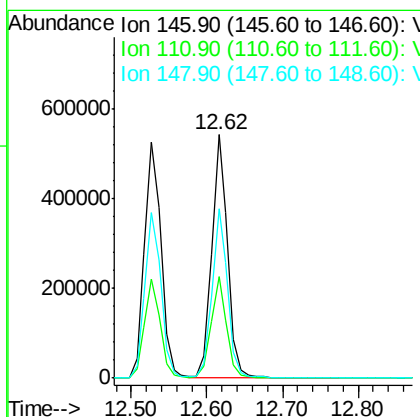
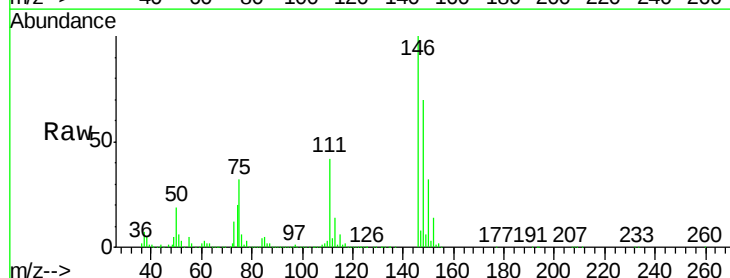
Manual Integrations
 APPROVED

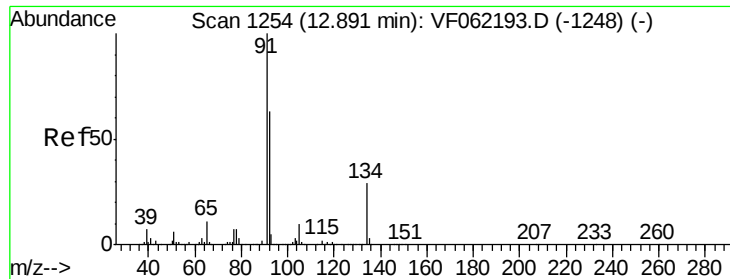
MMDadoda
 4/19/2019 10:53:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 89.935 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	68.2	33.6	100.8





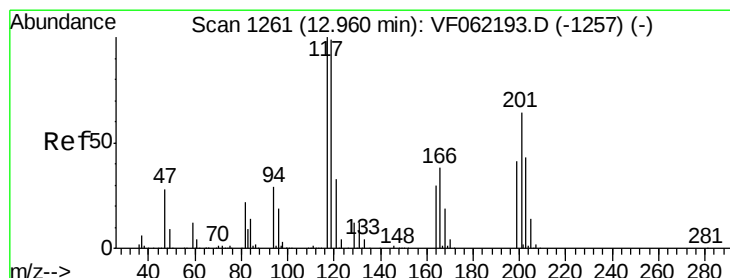
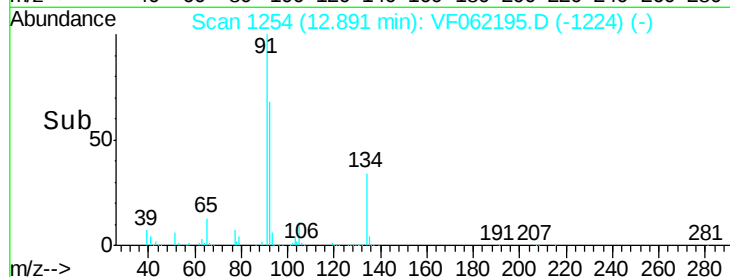
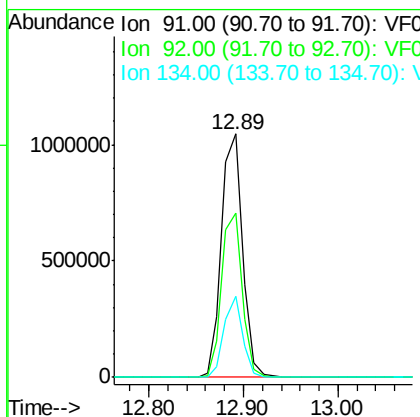
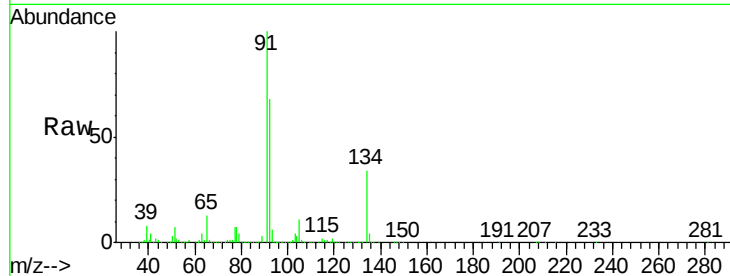
#89
n-Butylbenzene
Concen: 96.306 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.2	31.2	93.6
134	29.6	13.1	39.1

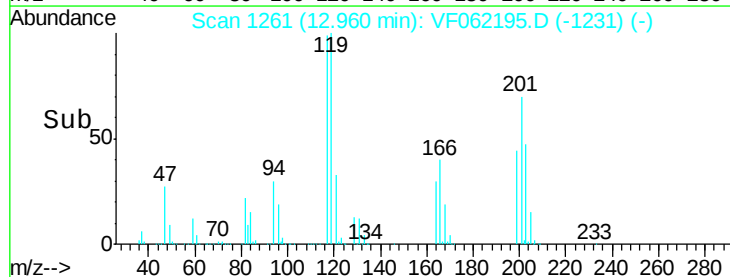
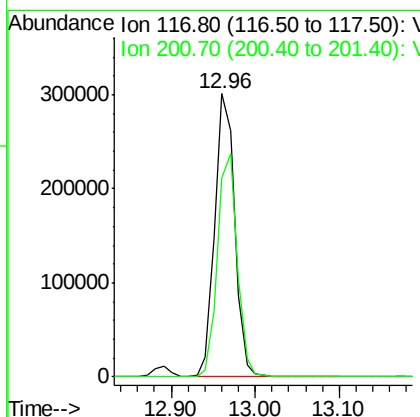
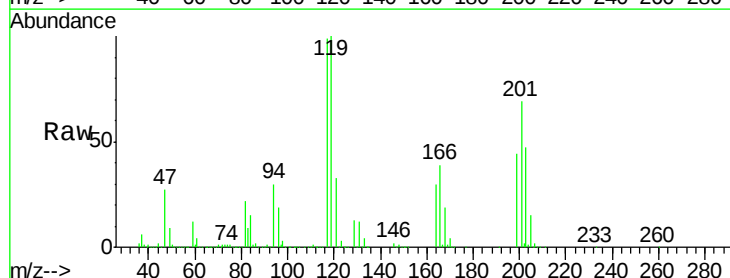
Manual Integrations
APPROVED

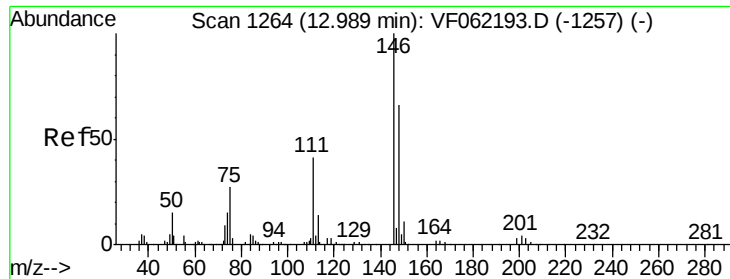
MMDadoda
4/19/2019 10:53:33 AM



#90
Hexachloroethane
Concen: 147.410 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	37.7	113.1





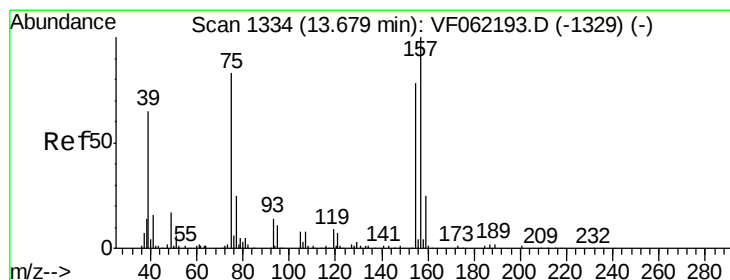
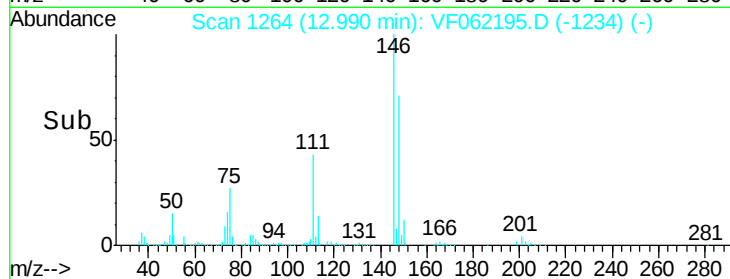
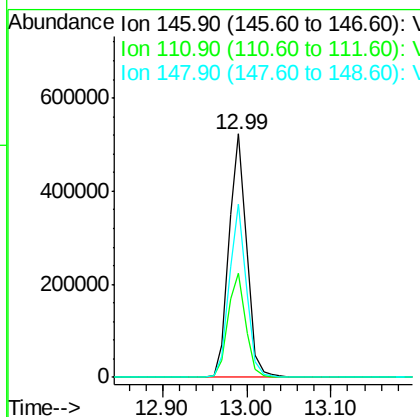
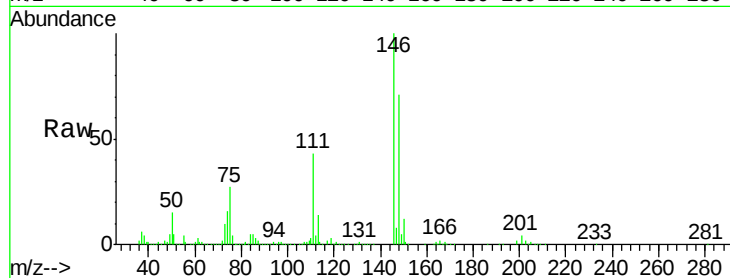
#91
 1,2-Dichlorobenzene
 Concen: 86.833 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.8	62.5
148	69.0	33.0	99.0

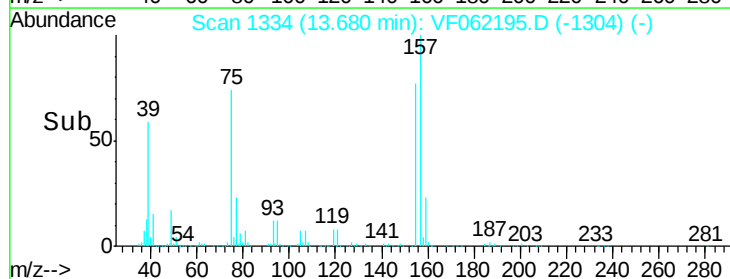
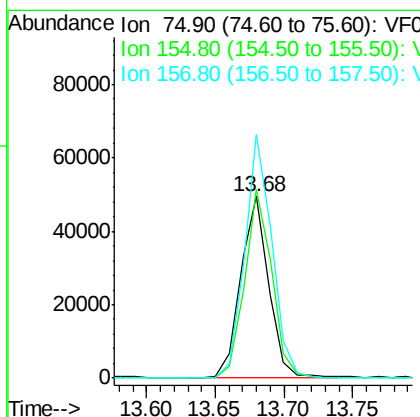
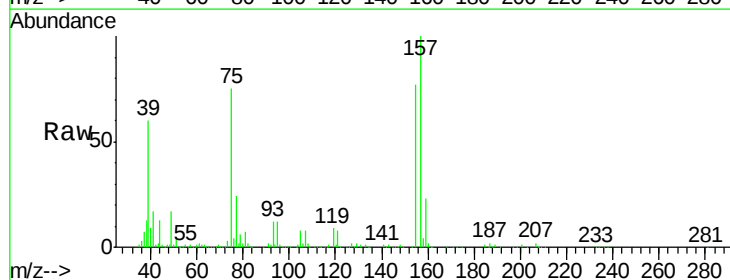
Manual Integrations
 APPROVED

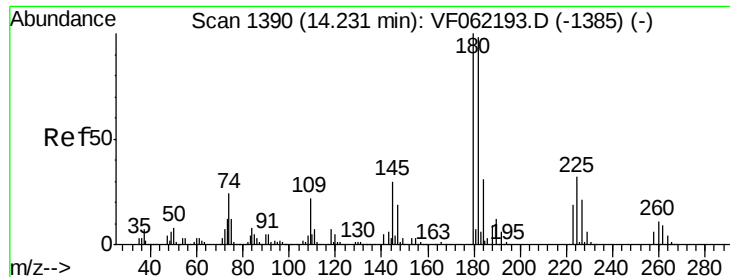
MMDadoda
 4/19/2019 10:53:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.372 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062195.D
 Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	47.6	142.8
157	132.9	61.3	183.9





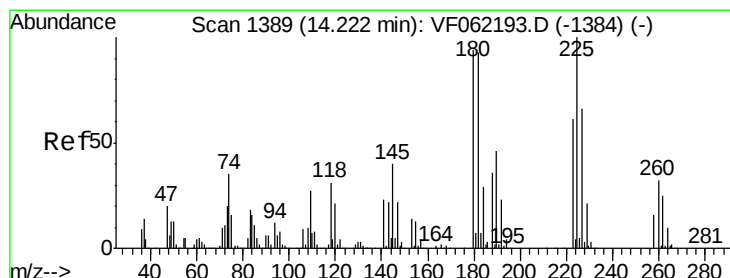
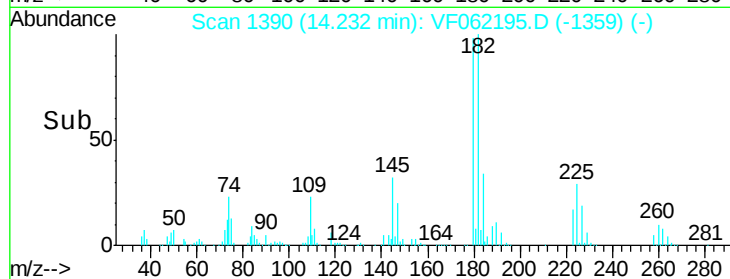
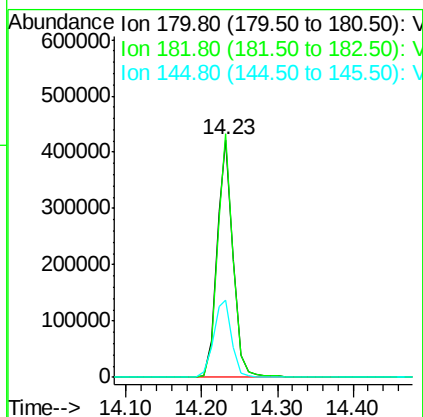
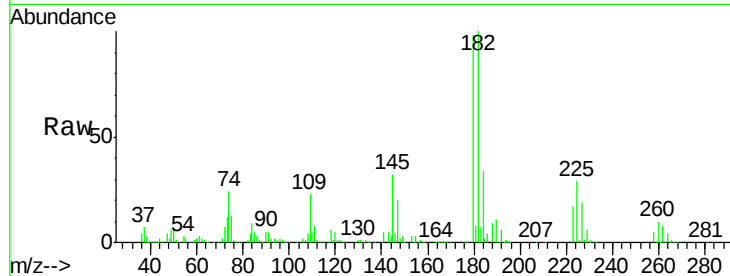
#93
1,2,4-Trichlorobenzene
Concen: 97.736 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	630144		
182	99.1	49.3	147.9	
145	37.3	18.1	54.4	

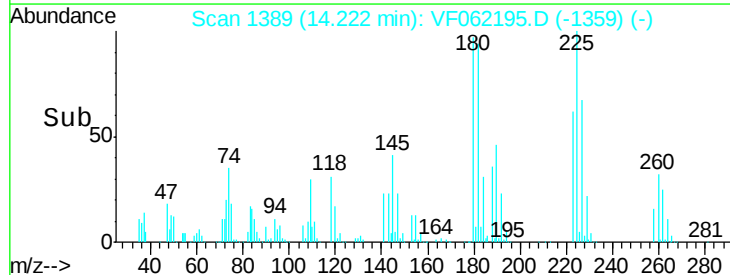
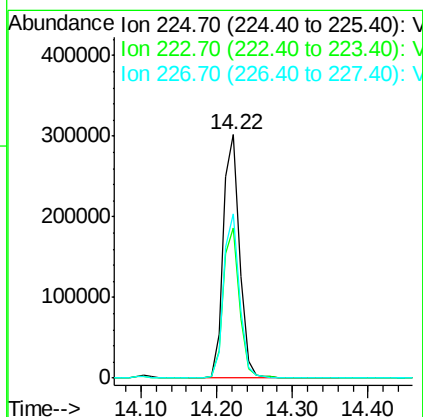
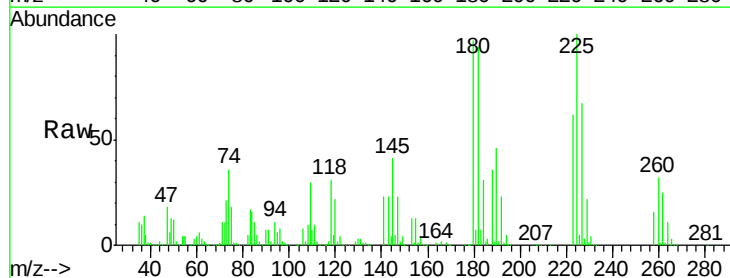
Manual Integrations
APPROVED

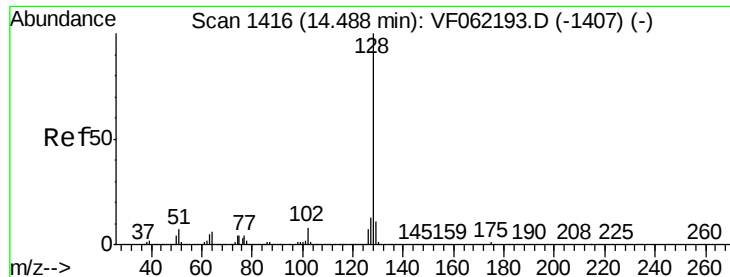
MMDadoda
4/19/2019 10:53:33 AM



#94
Hexachlorobutadiene
Concen: 131.461 ug/l
RT: 14.22 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	455628		
223	61.5	31.0	93.0	
227	65.5	32.4	97.0	





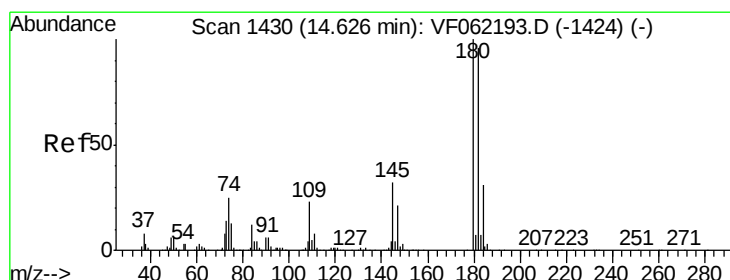
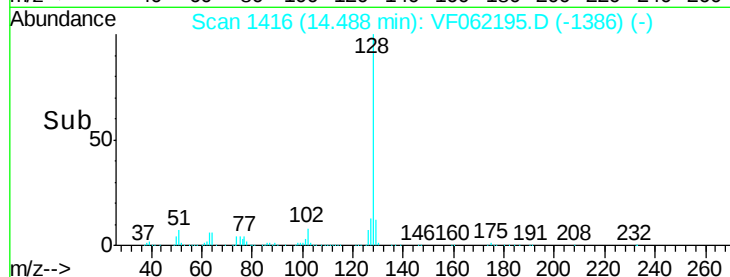
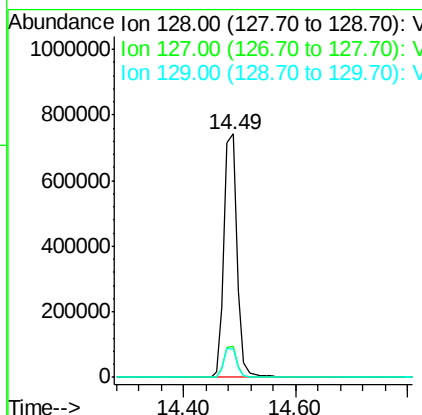
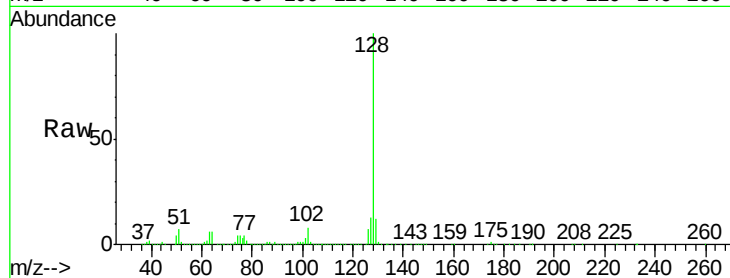
#95
Naphthalene
Concen: 63.635 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.7	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
4/19/2019 10:53:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 98.246 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. 0.00 min
Lab File: VF062195.D
Acq: 17 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.3	48.4	145.3
145	32.2	15.6	46.8

