

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010263.D
 Acq On : 12 Jun 2019 20:05
 Operator : JC/SP
 Sample : K3309-08MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:17:47 AM

Quant Time: Jun 13 03:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	277942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	428307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	393442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204557	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	138569	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
35) Dibromofluoromethane	5.50	113	139754	52.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.80%	
50) Toluene-d8	8.71	98	521580	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.13	95	193835	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	119021	46.539	ug/l	98
3) Chloromethane	1.32	50	122688	48.305	ug/l	100
4) Vinyl Chloride	1.41	62	140040	58.665	ug/l	98
5) Bromomethane	1.64	94	51829	57.537	ug/l	100
6) Chloroethane	1.71	64	81095	67.381	ug/l	99
7) Trichlorofluoromethane	1.93	101	193995	54.710	ug/l	99
8) Diethyl Ether	2.19	74	69836	57.142	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.38	101	107751	44.084	ug/l	91
10) Methyl Iodide	2.51	142	171252	45.221	ug/l	98
11) Tert butyl alcohol	3.05	59	156937	236.131	ug/l	99
12) 1,1-Dichloroethene	2.37	96	113229	45.355	ug/l #	79
13) Acrolein	2.29	56	33703	278.108	ug/l	99
14) Allyl chloride	2.73	41	164892	43.756	ug/l #	87
15) Acrylonitrile	3.14	53	336022	247.354	ug/l	99
16) Acetone	2.45	43	258319	202.437	ug/l #	89
17) Carbon Disulfide	2.57	76	299215	41.480	ug/l	98
18) Methyl Acetate	2.78	43	135823	48.399	ug/l #	81
19) Methyl tert-butyl Ether	3.20	73	378545	47.197	ug/l	93
20) Methylene Chloride	2.85	84	129385	46.169	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	122968	44.509	ug/l #	78
22) Diisopropyl ether	3.85	45	350504	48.647	ug/l #	91
23) Vinyl Acetate	3.82	43	1543723	240.169	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	202726	46.342	ug/l	95
25) 2-Butanone	4.68	43	454652	239.271	ug/l #	84
26) 2,2-Dichloropropane	4.59	77	146995	36.833	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	147481	47.984	ug/l	76
28) Bromochloromethane	5.02	49	95513	48.717	ug/l #	48
29) Tetrahydrofuran	5.13	42	295074	247.097	ug/l #	76
30) Chloroform	5.21	83	218414	48.075	ug/l	97
31) Cyclohexane	5.58	56	178258	45.150	ug/l #	77
32) 1,1,1-Trichloroethane	5.49	97	193694	45.350	ug/l #	93
36) 1,1-Dichloropropene	5.80	75	153250	43.857	ug/l	92
37) Ethyl Acetate	4.83	43	169425	46.600	ug/l #	91
38) Carbon Tetrachloride	5.79	117	175910	44.476	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196066	41.206	ug/l #	81
40) Benzene	6.14	78	504368	46.678	ug/l	99
41) Methacrylonitrile	5.04	41	92218	46.890	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	154842	44.888	ug/l	93
43) Isopropyl Acetate	6.45	43	279719	46.014	ug/l #	89
44) Trichloroethene	7.21	130	146566	45.001	ug/l	87
45) 1,2-Dichloropropane	7.51	63	127813	47.260	ug/l	99
46) Dibromomethane	7.66	93	91636	45.228	ug/l	90
47) Bromodichloromethane	7.90	83	172877	45.662	ug/l #	95
48) Methyl methacrylate	7.77	41	135047	47.502	ug/l #	77
49) 1,4-Dioxane	7.74	88	69550	858.051	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	925922	254.965	ug/l	90
52) Toluene	8.79	92	332267	46.780	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	188052	42.943	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	203480	43.343	ug/l #	90
55) 1,1,2-Trichloroethane	9.21	97	143001	49.160	ug/l	95
56) Ethyl methacrylate	9.18	69	219953	47.868	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	216265	47.224	ug/l	99
59) 2-Hexanone	9.49	43	718718	248.220	ug/l	88
60) Dibromochloromethane	9.58	129	161975	47.076	ug/l	100
61) 1,2-Dibromoethane	9.67	107	152111	46.952	ug/l	99
64) Tetrachloroethene	9.34	164	127640	43.680	ug/l	98
65) Chlorobenzene	10.14	112	588034	72.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	145023	46.441	ug/l	100
67) Ethyl Benzene	10.25	91	634628	45.909	ug/l	95
68) m/p-Xylenes	10.36	106	495654	92.657	ug/l	89
69) o-Xylene	10.69	106	248091	46.655	ug/l	89
70) Styrene	10.71	104	416346	46.230	ug/l	95
71) Bromoform	10.85	173	133153	46.382	ug/l	99
73) Isopropylbenzene	11.02	105	641010	44.890	ug/l	95
74) N-amyl acetate	10.90	43	260474	46.145	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	229081	46.866	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	183820m	44.927	ug/l	
77) Bromobenzene	11.26	156	179828	45.795	ug/l	81
78) n-propylbenzene	11.36	91	711233	44.740	ug/l	94
79) 2-Chlorotoluene	11.42	91	424694	44.481	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	532546	44.279	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	75337	40.682	ug/l #	84
82) 4-Chlorotoluene	11.51	91	478705	44.137	ug/l	90
83) tert-Butylbenzene	11.77	119	549394	45.132	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	547066	45.032	ug/l	95
85) sec-Butylbenzene	11.94	105	633187	44.647	ug/l	96
86) p-Isopropyltoluene	12.06	119	582915	44.960	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	317760	45.941	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	339387	48.675	ug/l	98
89) n-Butylbenzene	12.38	91	495567	44.405	ug/l	97
90) Hexachloroethane	12.60	117	111812	43.293	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	320417	47.651	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48357	42.041	ug/l	64
93) 1,2,4-Trichlorobenzene	13.65	180	219118	44.517	ug/l	99

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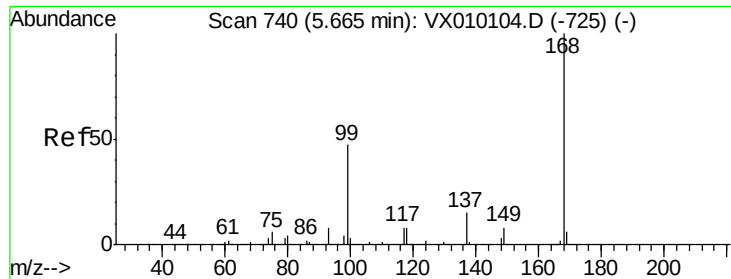
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	100472	45.898	ug/l	98
95) Naphthalene	13.83	128	733049	47.311	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	221737	45.562	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion:168 Resp: 277942

Ion Ratio Lower Upper

168 100

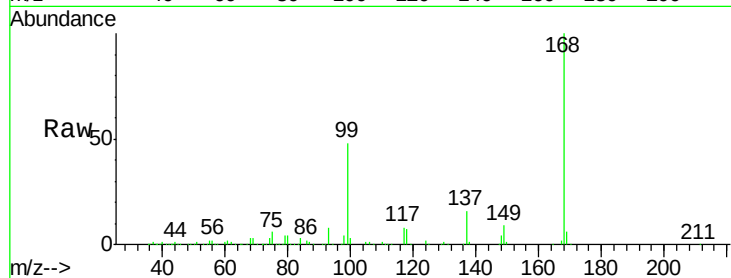
99 47.5 43.0 64.6

Manual Integrations

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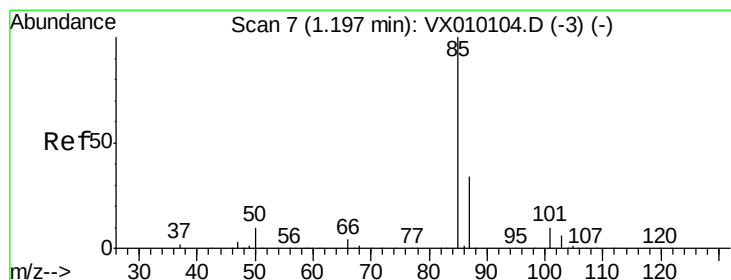
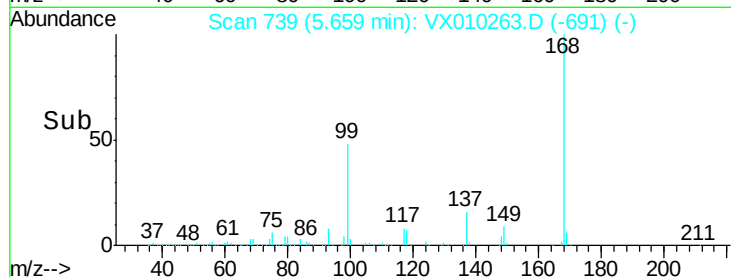
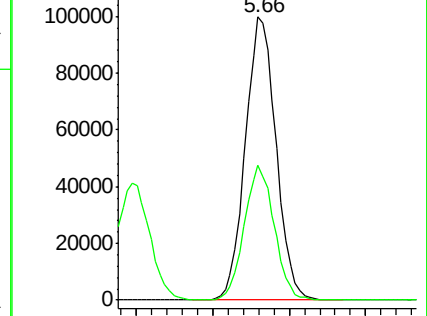
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.539 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010263.D

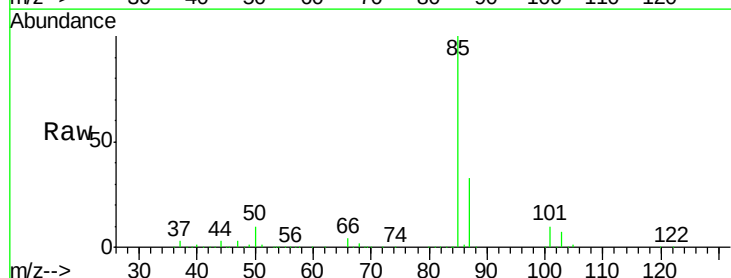
Acq: 12 Jun 2019 20:05

Tgt Ion: 85 Resp: 119021

Ion Ratio Lower Upper

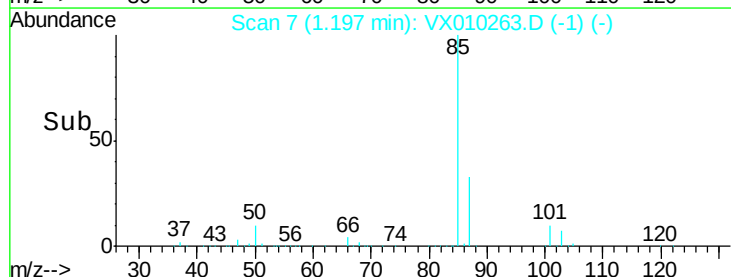
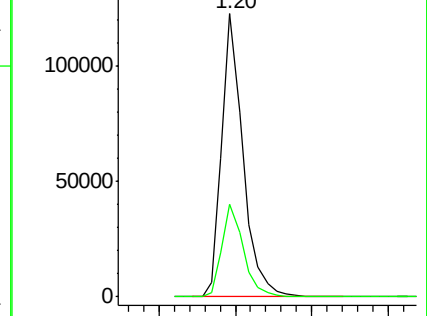
85 100

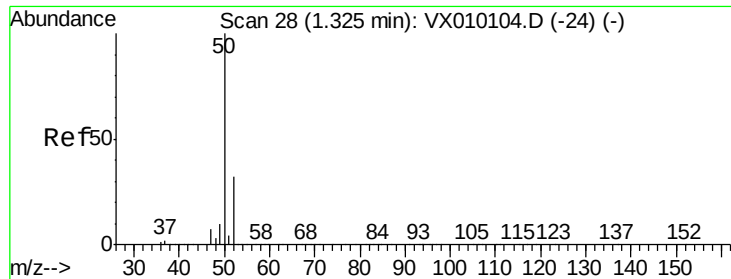
87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.305 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

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ClientSampleId :

SS043MW010-190611MS

Tot Ion: 50 Resp: 122688

Ion Ratio Lower Upper

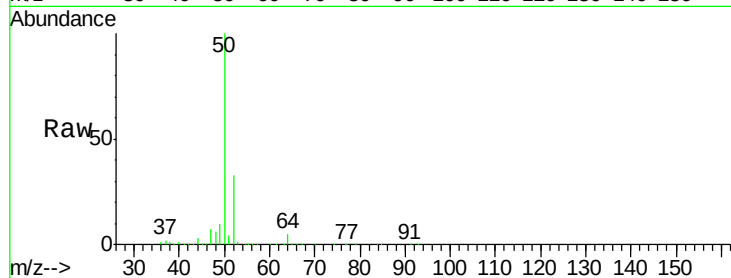
50 100

52 32.6 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

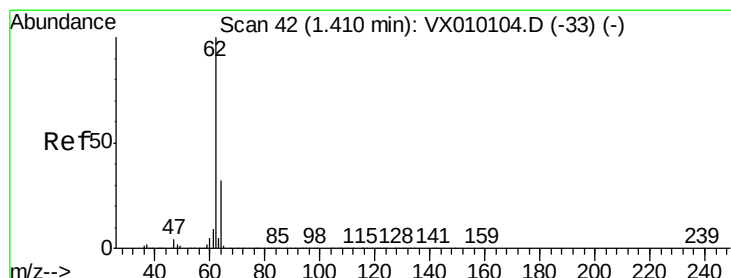
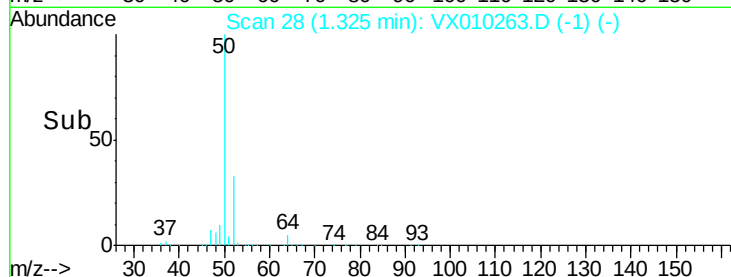
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 58.665 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010263.D

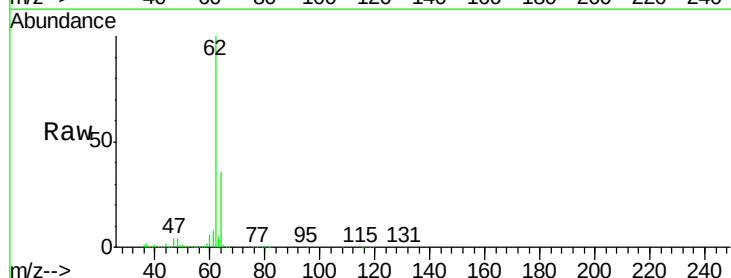
Acq: 12 Jun 2019 20:05

Tgt Ion: 62 Resp: 140040

Ion Ratio Lower Upper

62 100

64 33.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

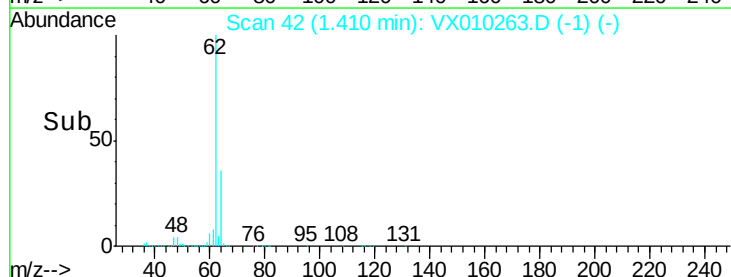
150000

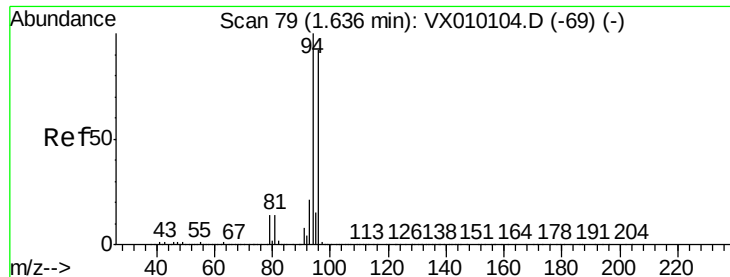
100000

50000

0

Time-->





#5

Bromomethane

Concen: 57.537 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 94 Resp: 51829

Ion Ratio Lower Upper

94 100

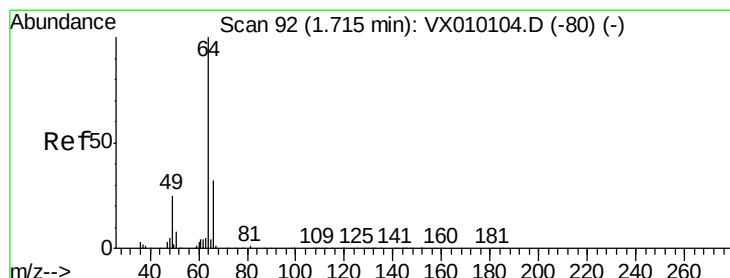
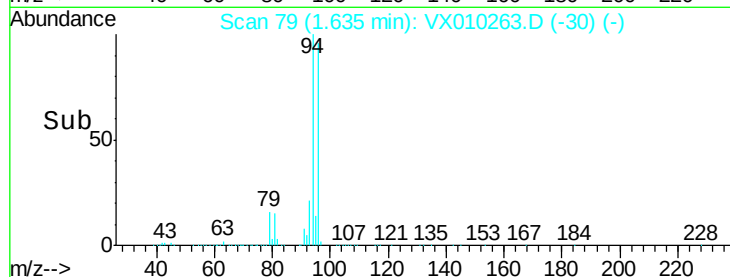
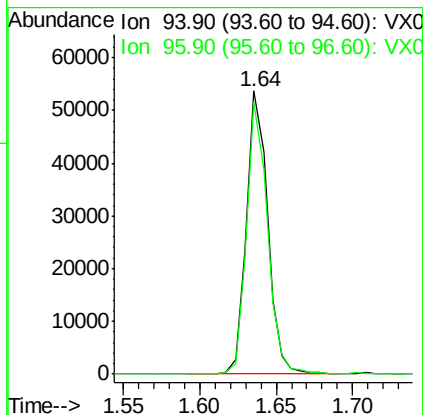
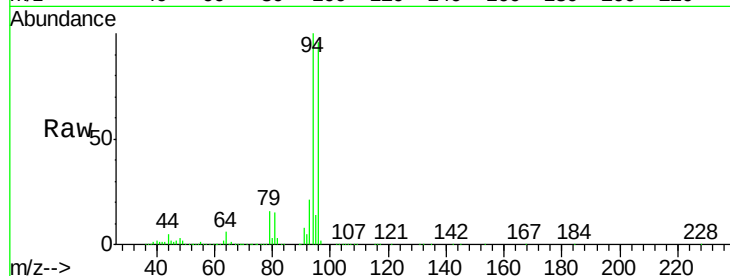
96 95.8 76.2 114.4

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#6

Chloroethane

Concen: 67.381 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010263.D

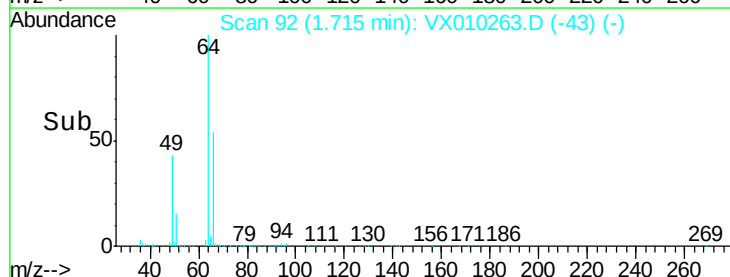
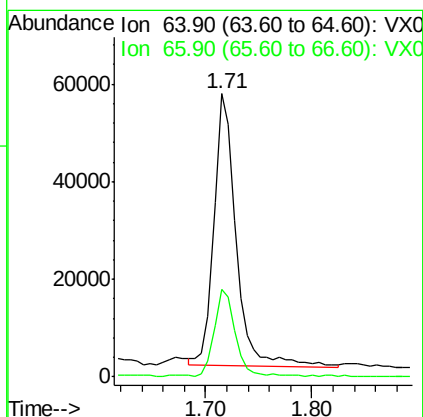
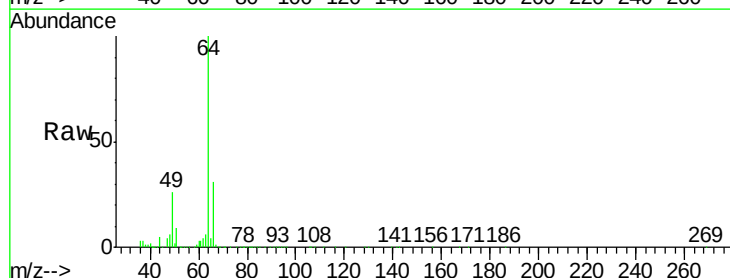
Acq: 12 Jun 2019 20:05

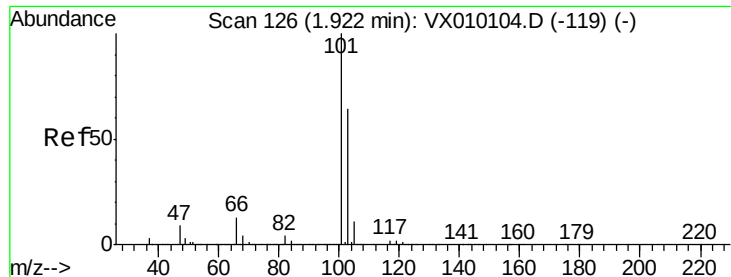
Tgt Ion: 64 Resp: 81095

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7





#7

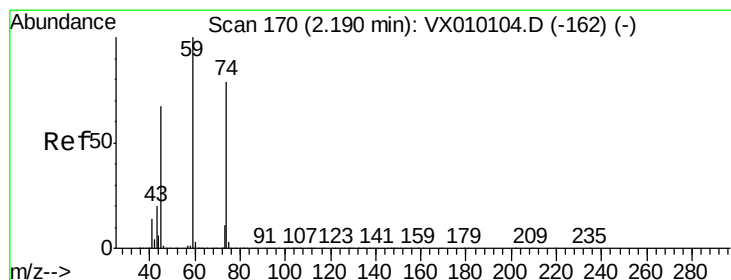
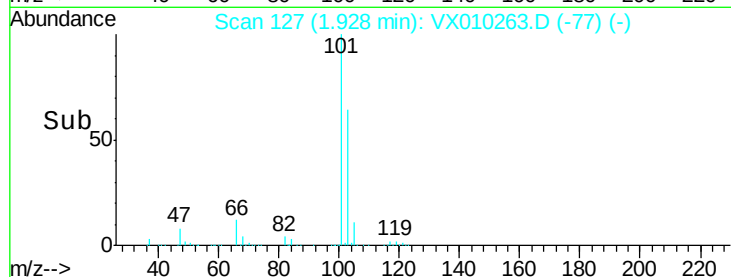
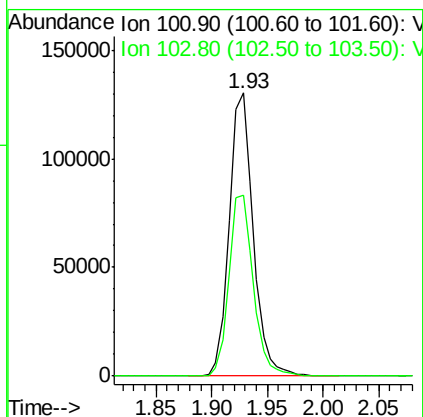
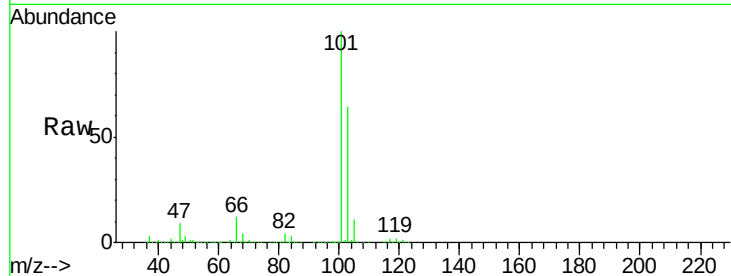
Trichlorofluoromethane
Concen: 54.710 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	193995		
103	64.1	52.2	78.4	

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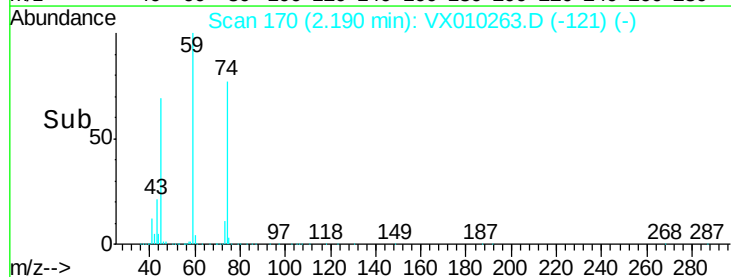
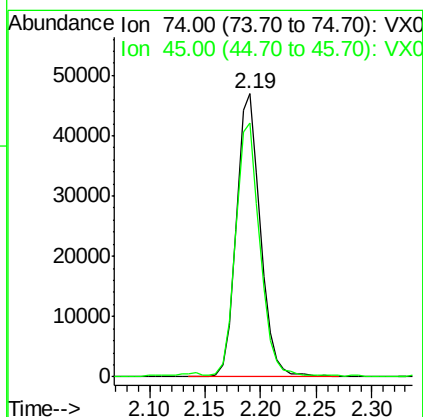
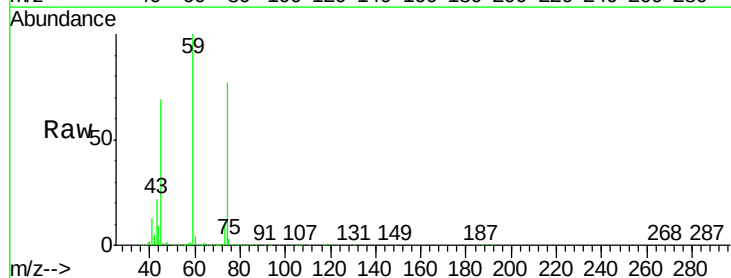
MMDadoda
6/13/2019 9:17:47 AM

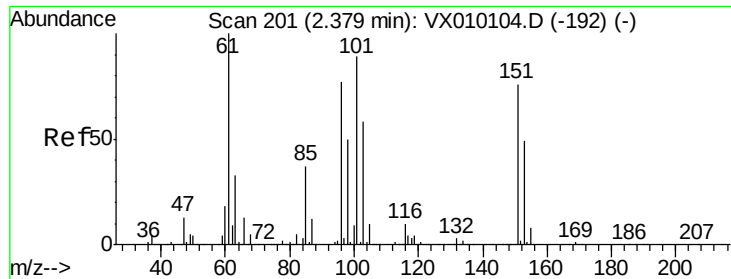


#8

Diethyl Ether
Concen: 57.142 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69836		
45	89.4	56.1	168.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.084 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

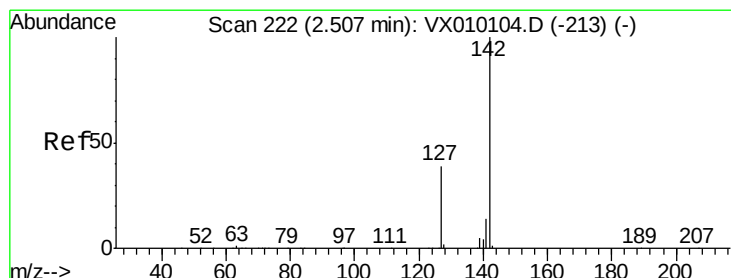
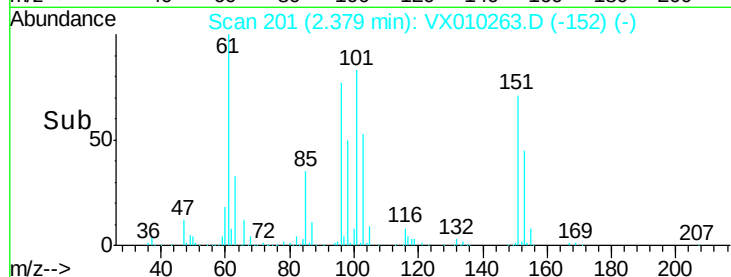
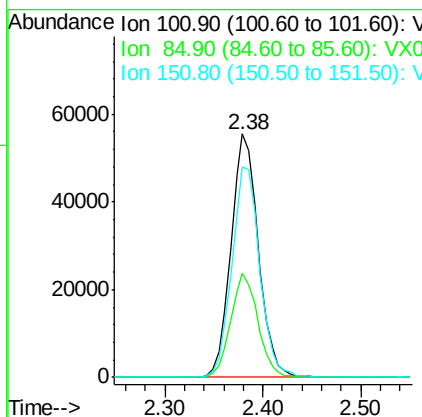
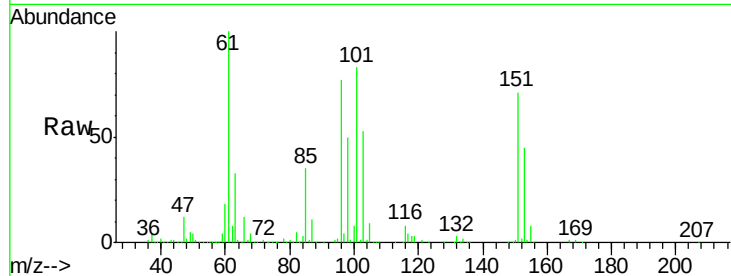
ClientSampleId :

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Tot Ion:	101	Resp:	107751
Ion Ratio	Lower	Upper	
101	100		
85	42.4	35.2	52.8
151	88.0	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 45.221 ug/l

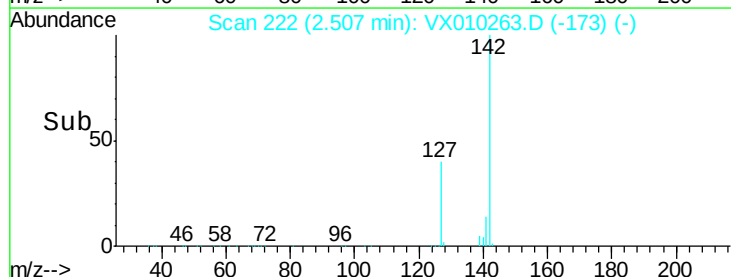
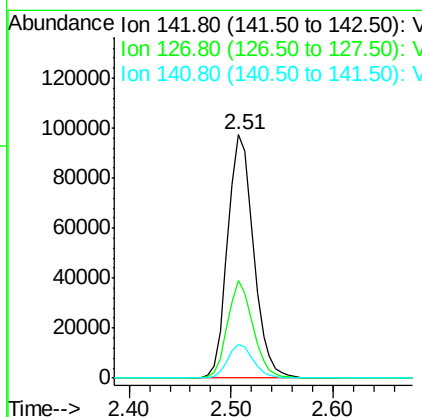
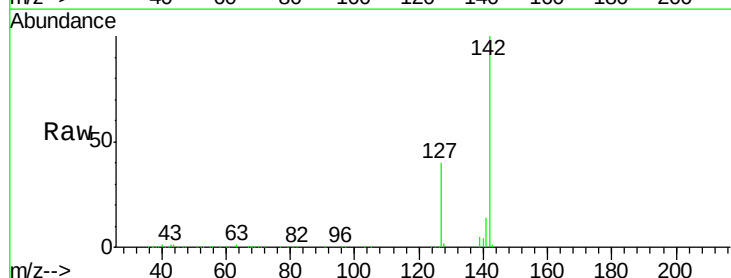
RT: 2.51 min Scan# 222

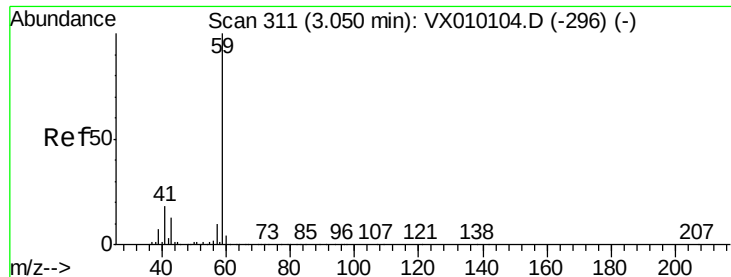
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion:	142	Resp:	171252
Ion Ratio	Lower	Upper	
142	100		
127	39.3	33.0	49.4
141	13.9	11.4	17.0





#11

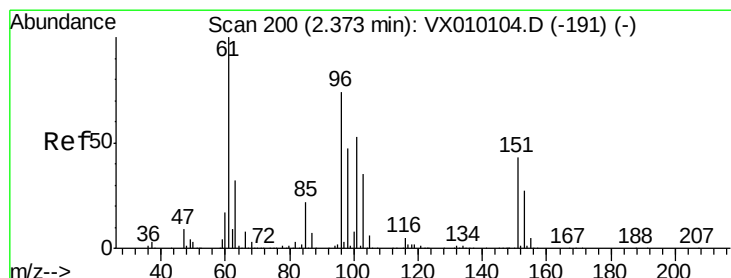
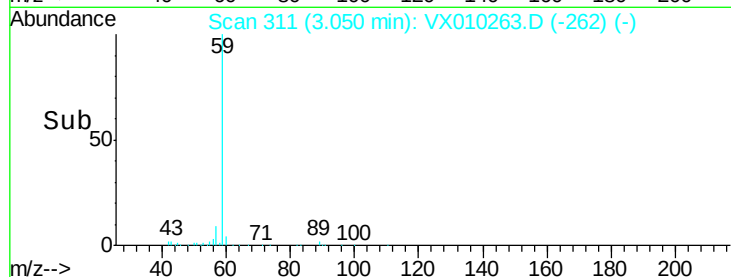
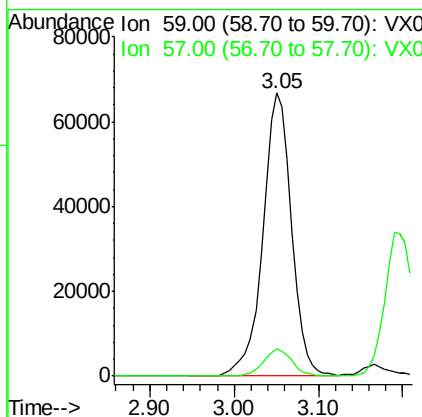
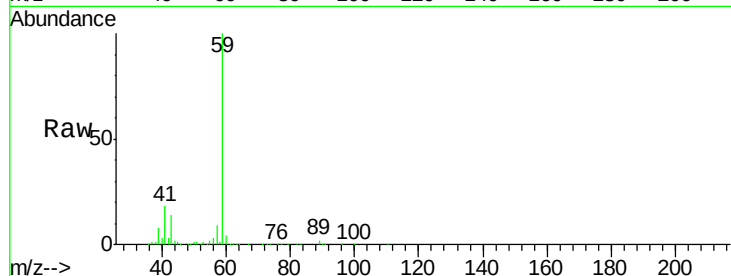
Tert butyl alcohol
Concen: 236.131 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	156937		
57	57	9.7		8.2	12.2

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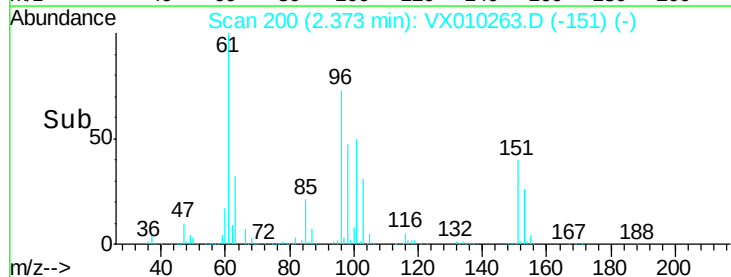
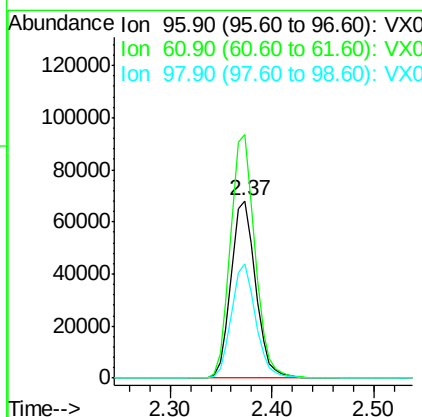
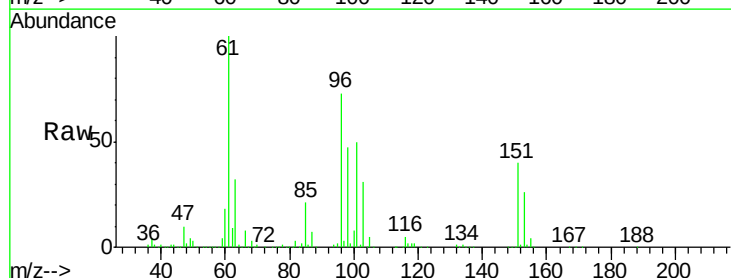
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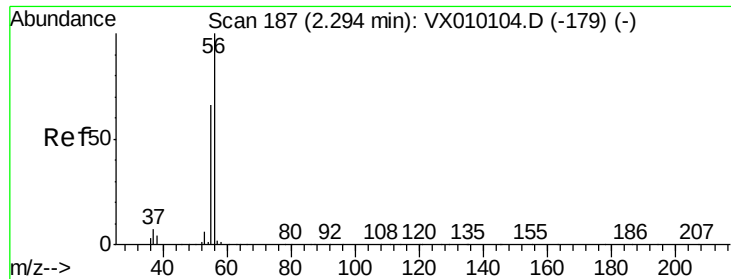


#12

1,1-Dichloroethene
Concen: 45.355 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	113229		
61	61	137.3		140.7	211.1#
98	98	64.7		50.1	75.1





#13

Acrolein

Concen: 278.108 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 56 Resp: 33703

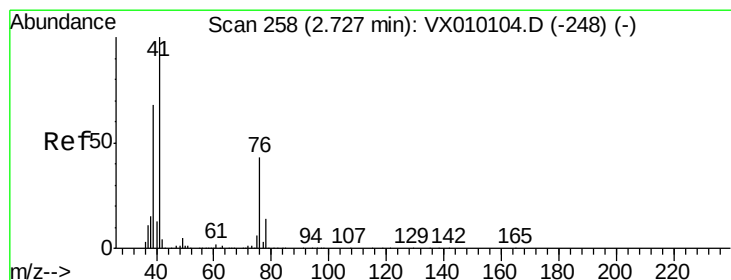
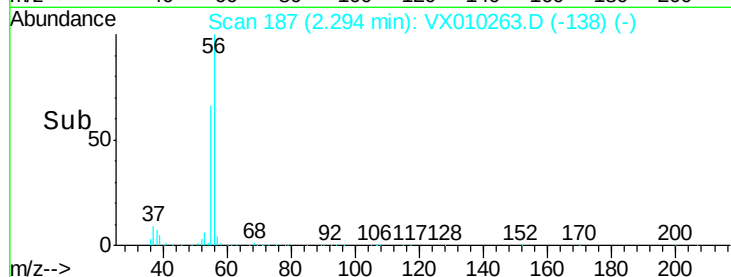
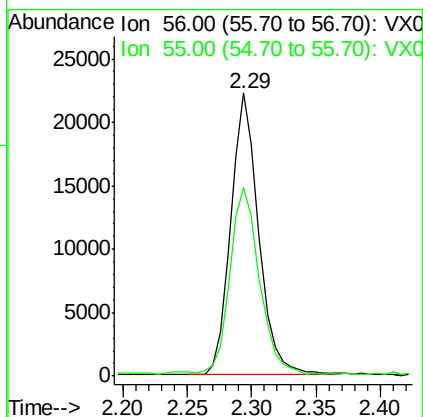
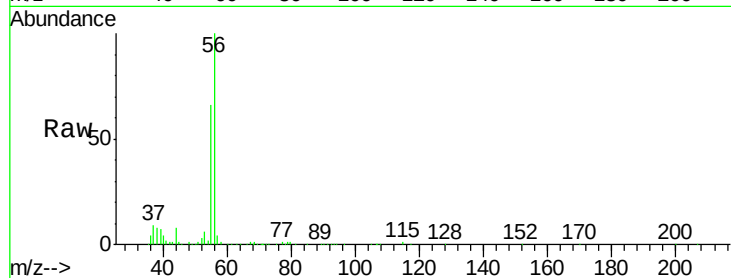
Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.4

Manual Integrations
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#14

Allyl chloride

Concen: 43.756 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

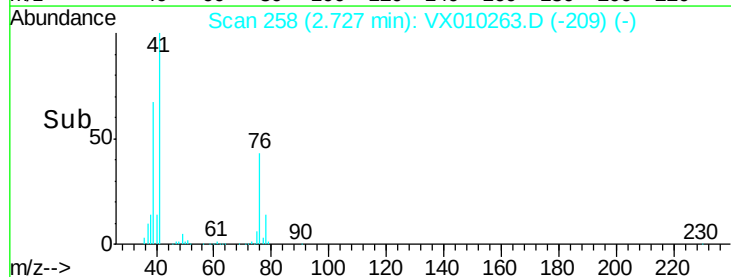
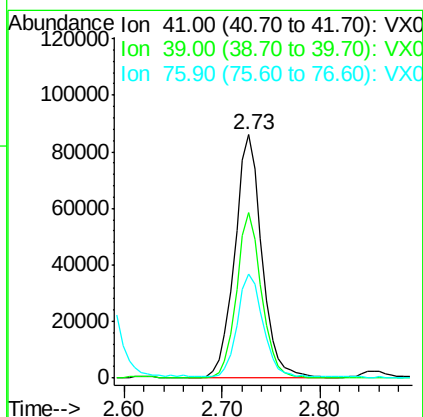
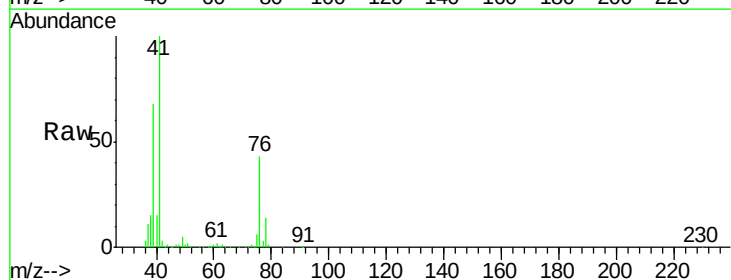
Tgt Ion: 41 Resp: 164892

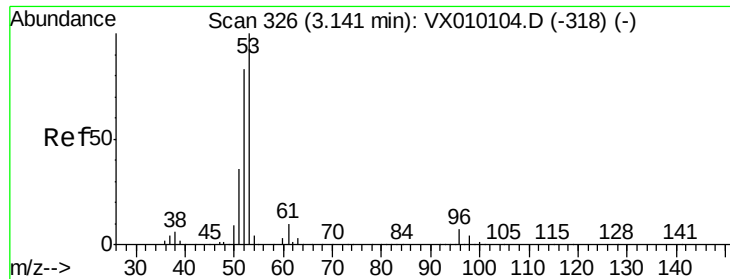
Ion Ratio Lower Upper

41 100

39 62.4 46.7 70.1

76 40.7 21.0 31.4#





#15

Acrylonitrile

Concen: 247.354 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

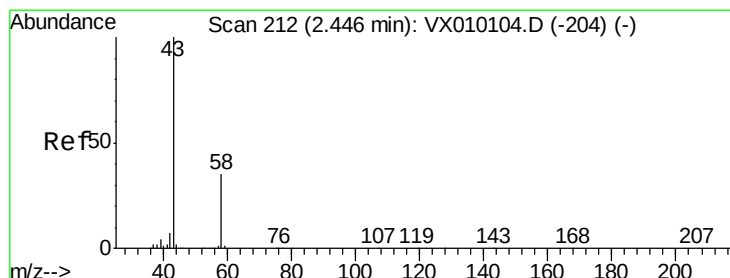
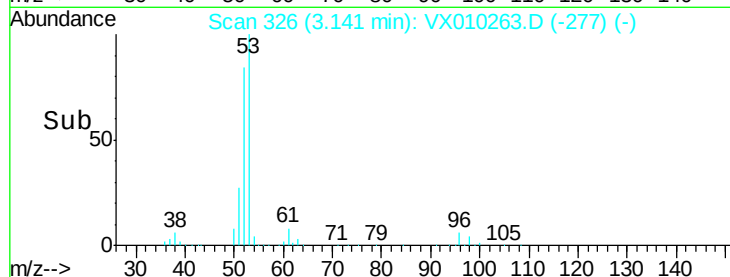
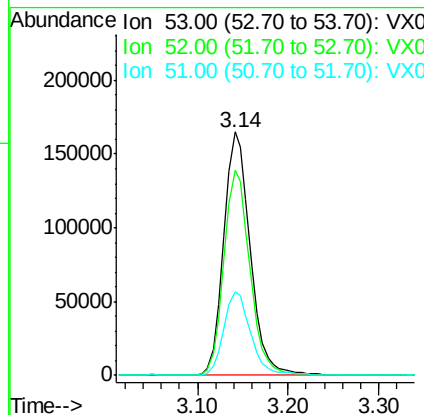
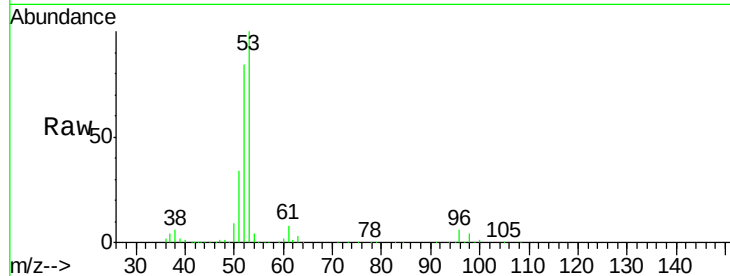
ClientSampleId :

SS043MW010-190611MS

Tot Ion:	53	Resp:	336022
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.7	100.1
51	34.9	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 202.437 ug/l

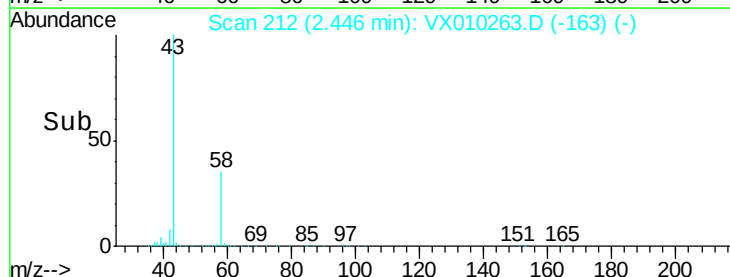
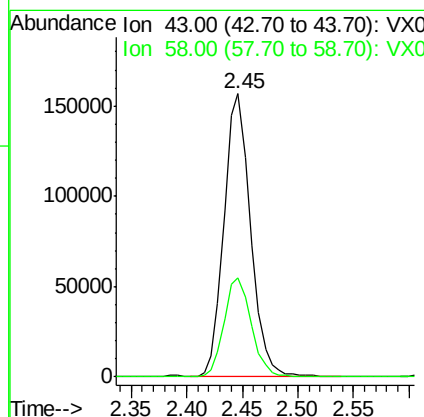
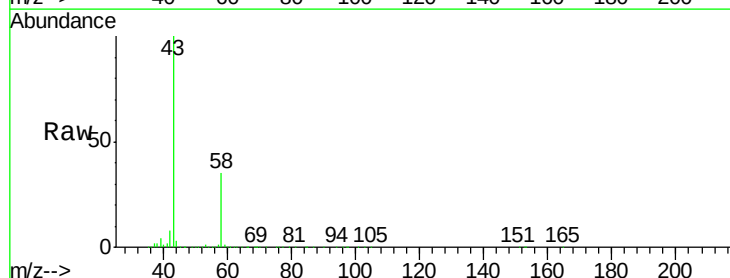
RT: 2.45 min Scan# 212

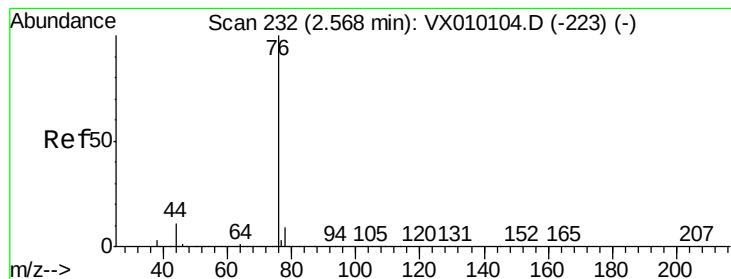
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion:	43	Resp:	258319
Ion Ratio		Lower	Upper
43	100		
58	35.0	23.2	34.8#





#17

Carbon Disulfide

Concen: 41.480 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 76 Resp: 299215

Ion Ratio Lower Upper

76 100

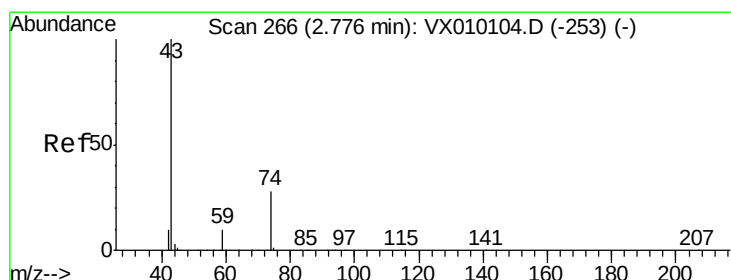
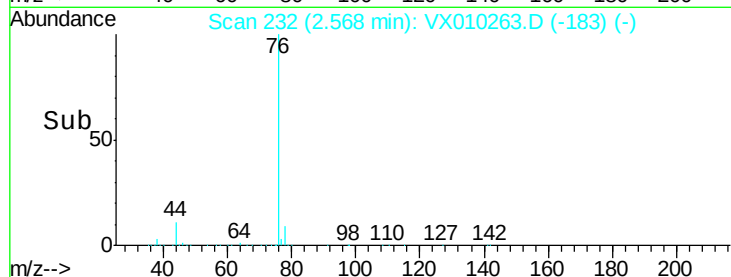
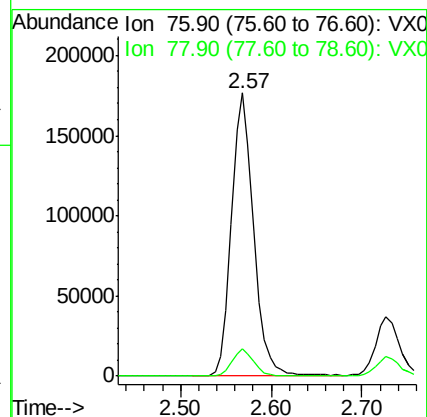
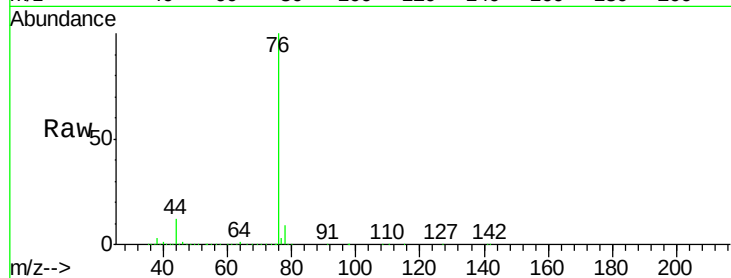
78 9.5 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 48.399 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010263.D

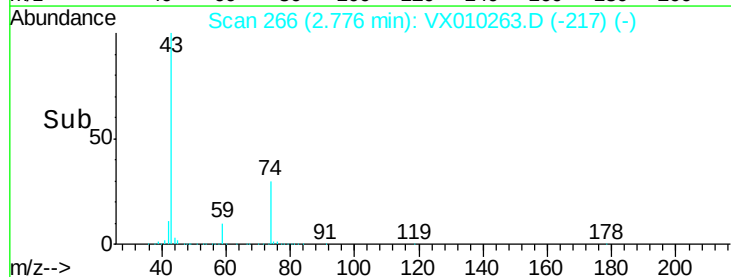
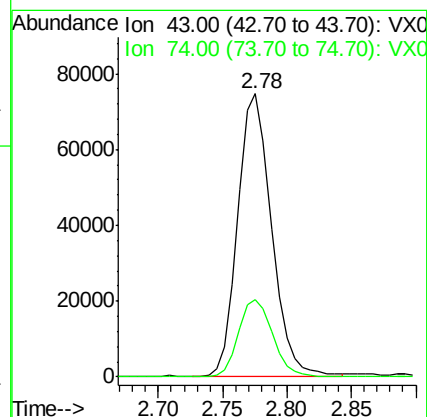
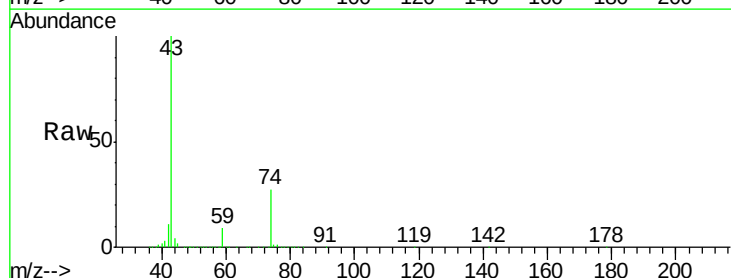
Acq: 12 Jun 2019 20:05

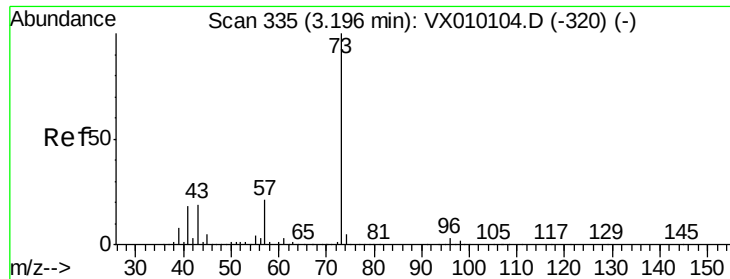
Tgt Ion: 43 Resp: 135823

Ion Ratio Lower Upper

43 100

74 28.2 15.8 23.6#





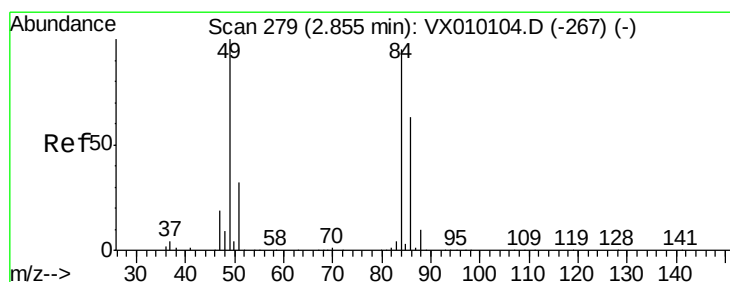
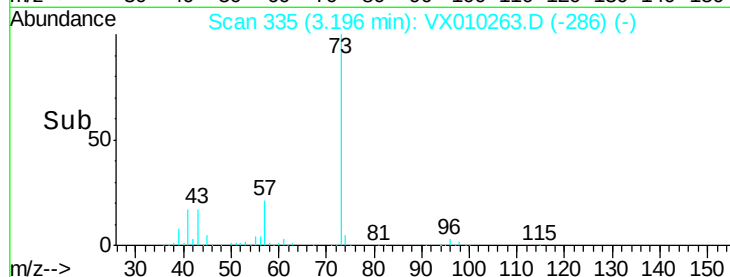
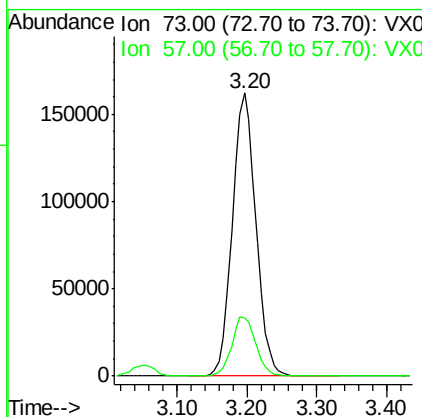
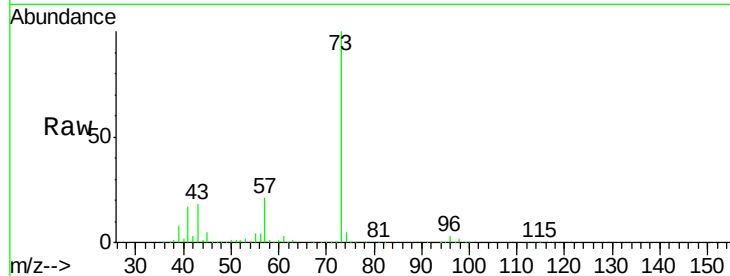
#19
Methyl tert-butyl Ether
Concen: 47.197 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion: 73 Resp: 378545
Ion Ratio Lower Upper
73 100
57 20.7 19.4 29.2

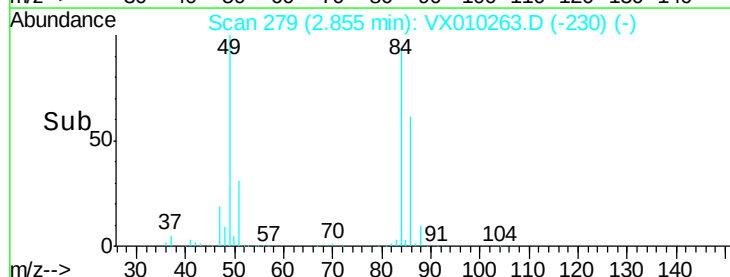
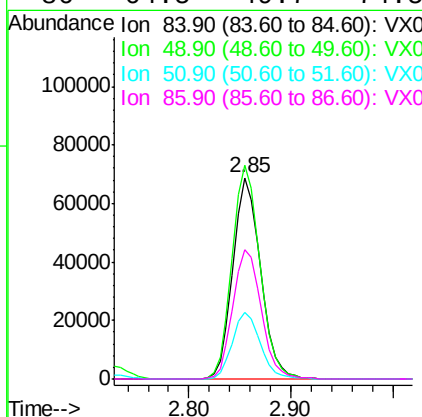
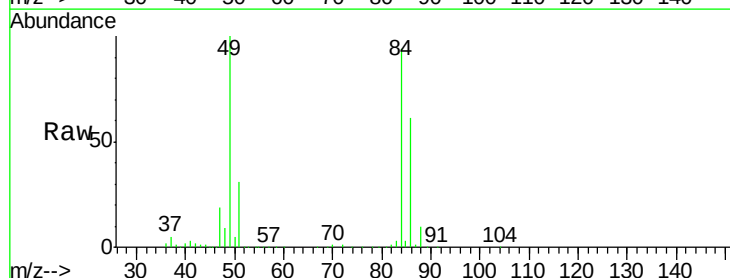
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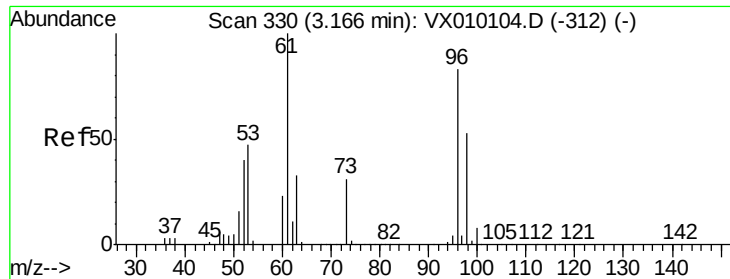
MMDadoda
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#20
Methylene Chloride
Concen: 46.169 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion: 84 Resp: 129385
Ion Ratio Lower Upper
84 100
49 106.0 115.8 173.6#
51 32.6 34.4 51.6#
86 64.5 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 44.509 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

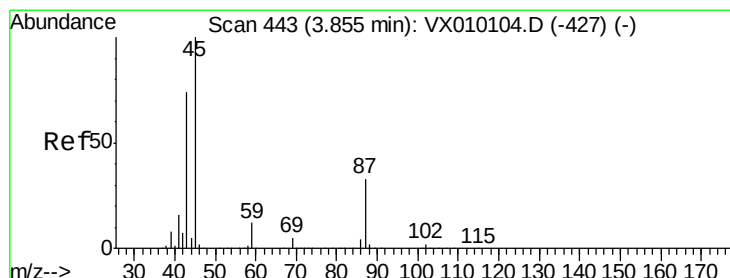
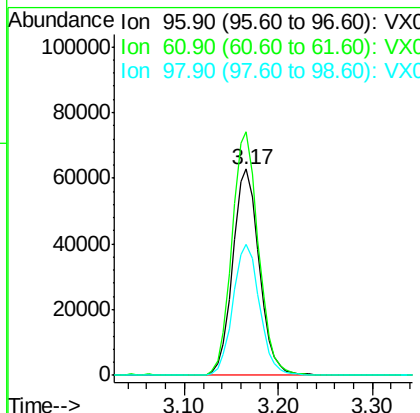
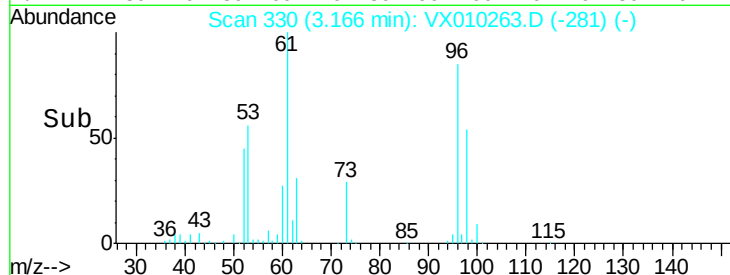
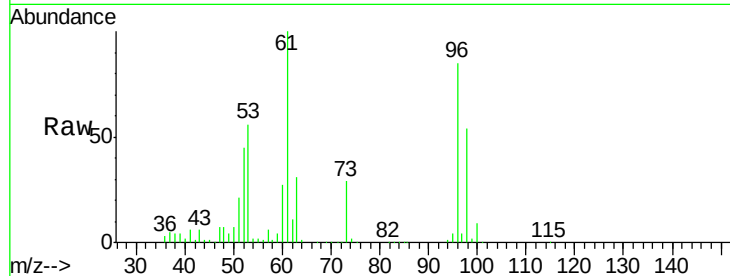
ClientSampleId :

SS043MW010-190611MS

Tot Ion:	96	Resp:	122968
Ion	Ratio	Lower	Upper
96	100		
61	118.2	125.7	188.5#
98	63.4	49.0	73.6

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#22

Diisopropyl ether

Concen: 48.647 ug/l

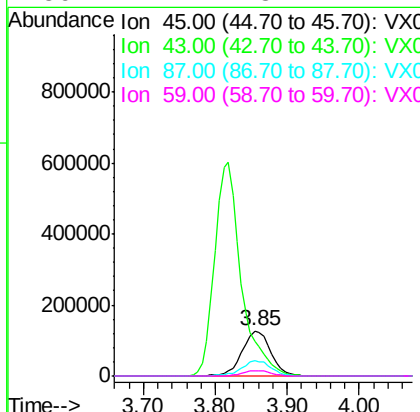
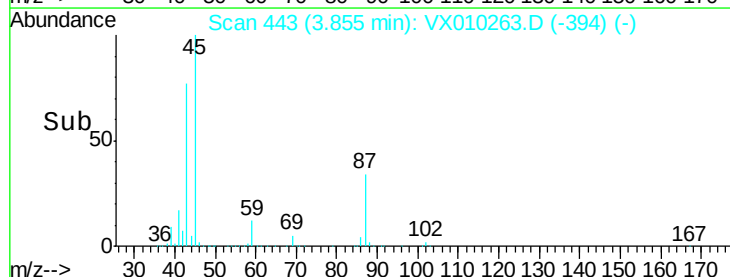
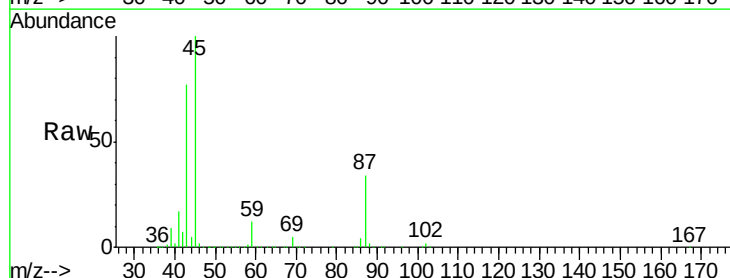
RT: 3.85 min Scan# 443

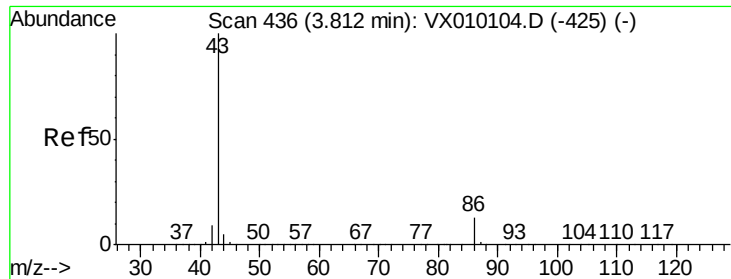
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion:	45	Resp:	350504
Ion	Ratio	Lower	Upper
45	100		
43	76.3	65.0	97.4
87	33.9	17.3	25.9#
59	12.4	8.1	12.1#





#23

Vinyl Acetate

Concen: 240.169 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 43 Resp: 1543723

Ion Ratio Lower Upper

43 100

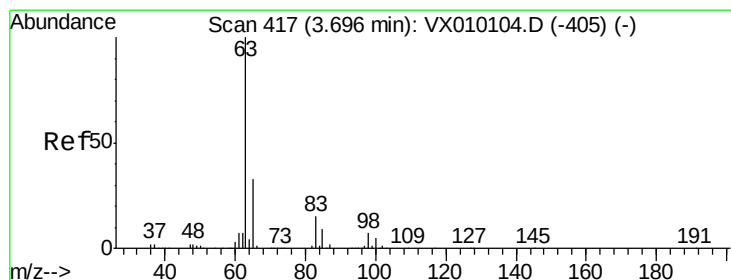
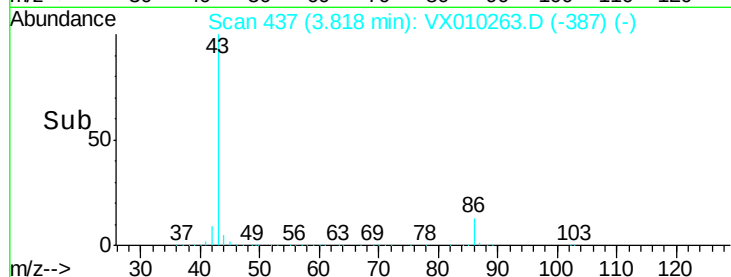
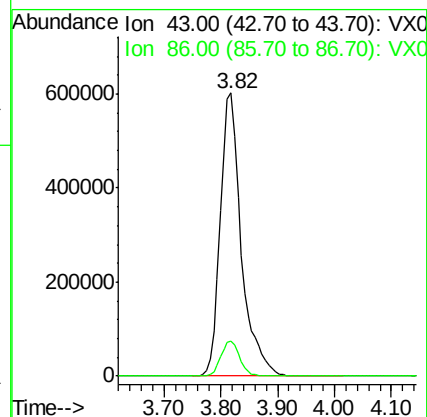
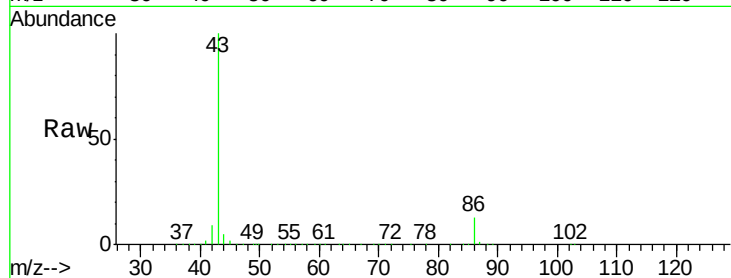
86 12.5 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 46.342 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

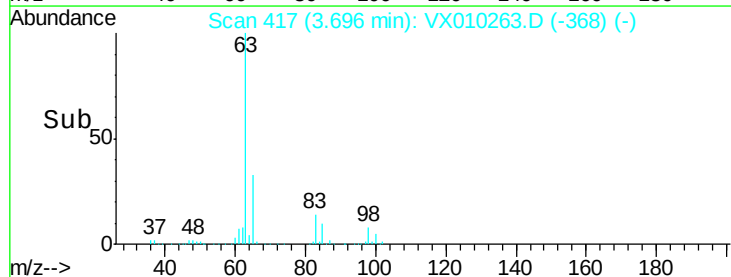
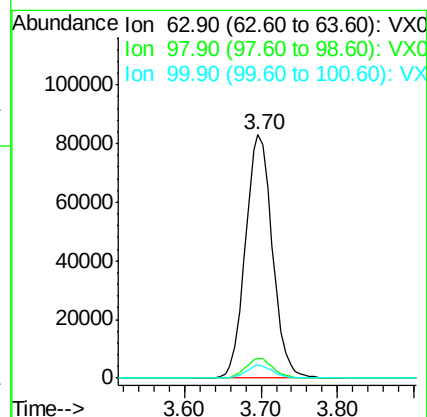
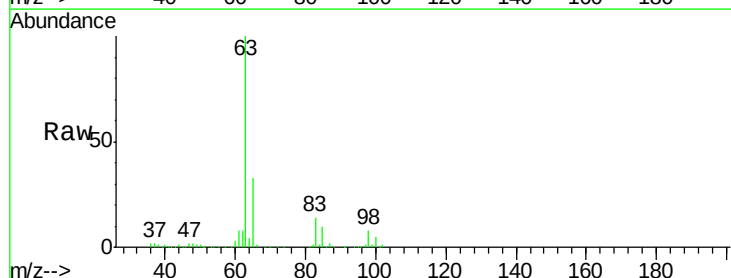
Tgt Ion: 63 Resp: 202726

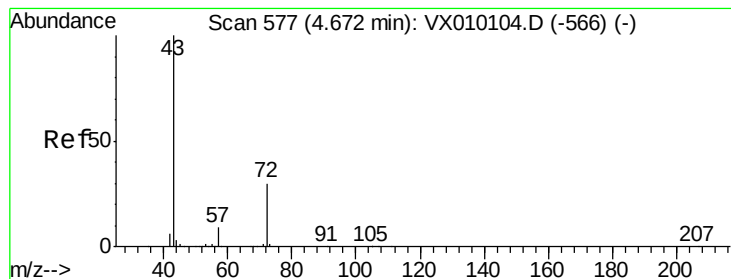
Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.8

100 5.2 1.8 5.4





#25

2-Butanone

Concen: 239.271 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 43 Resp: 454652

Ion Ratio Lower Upper

43 100

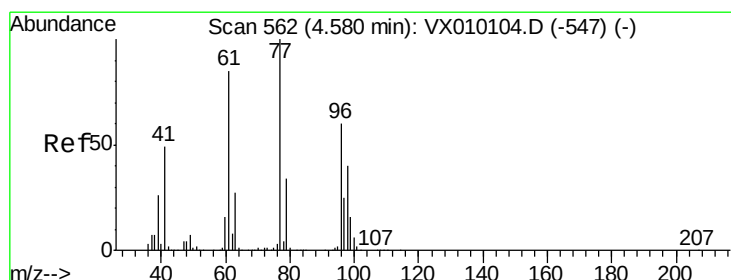
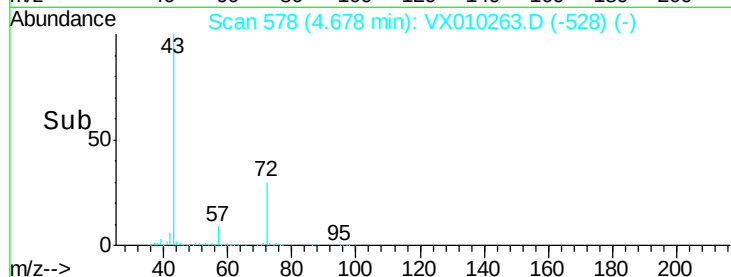
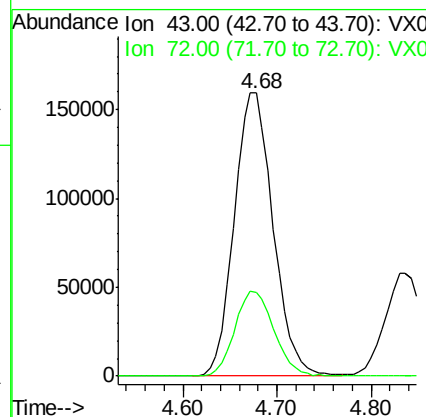
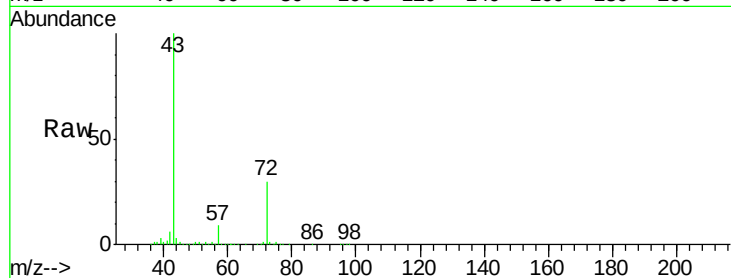
72 29.7 17.5 26.3#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 36.833 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010263.D

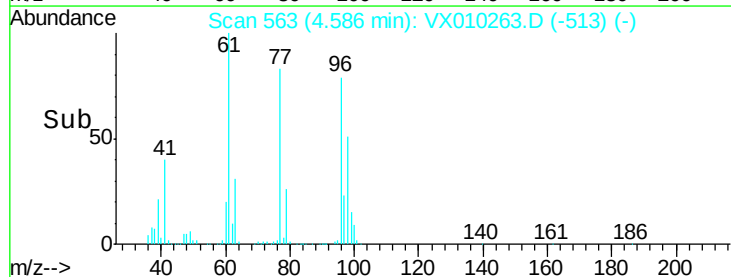
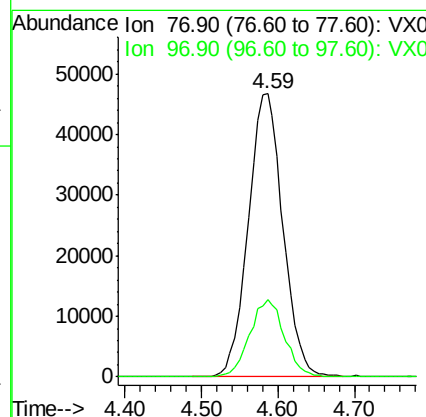
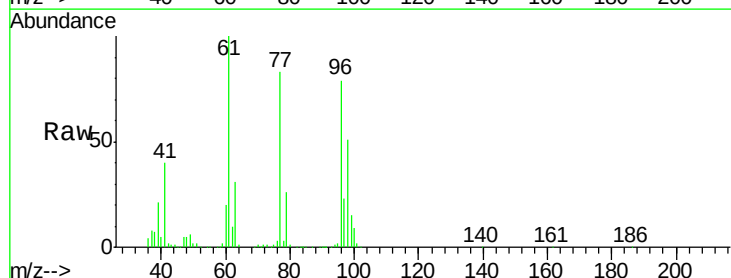
Acq: 12 Jun 2019 20:05

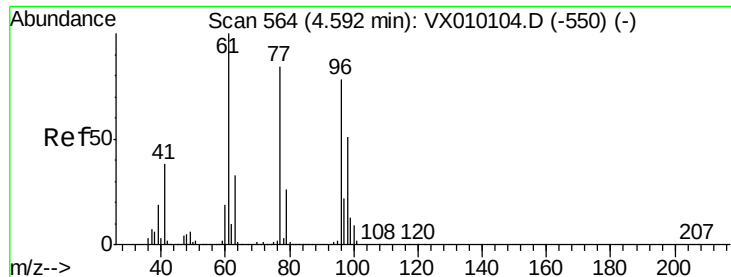
Tgt Ion: 77 Resp: 146995

Ion Ratio Lower Upper

77 100

97 27.2 11.4 34.2





#27

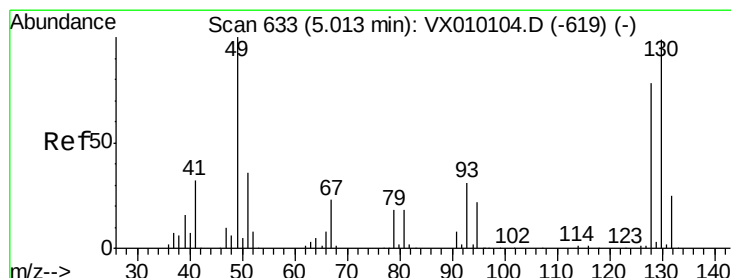
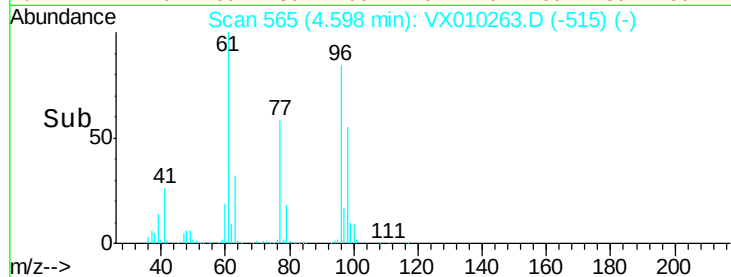
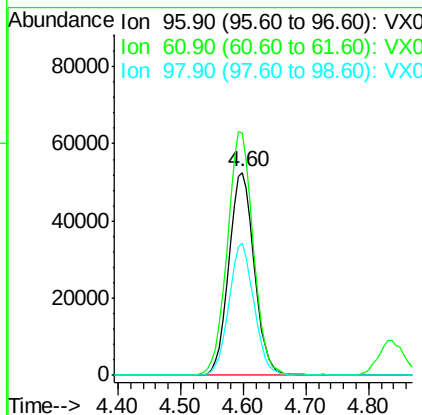
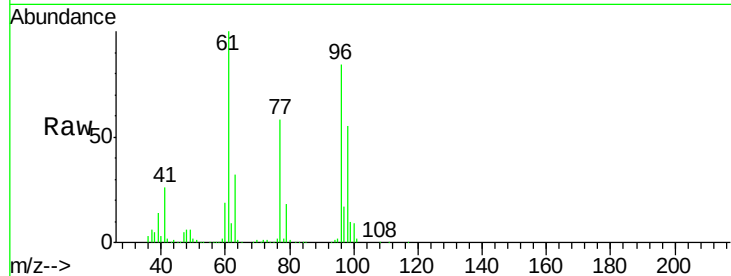
cis-1,2-Dichloroethene
Concen: 47.984 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.6	0.0	334.0
98	64.2	0.0	131.6

Manual Integrations
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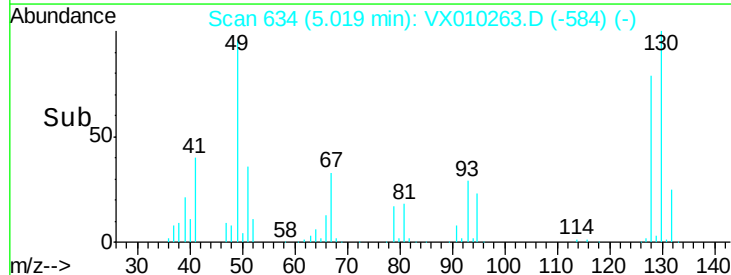
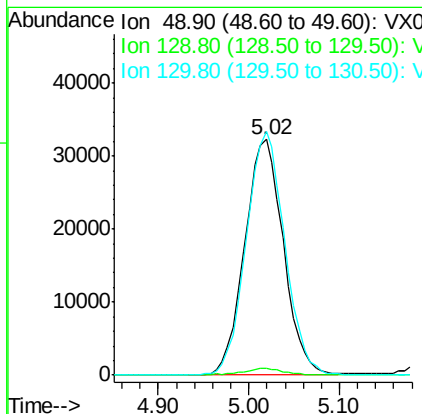
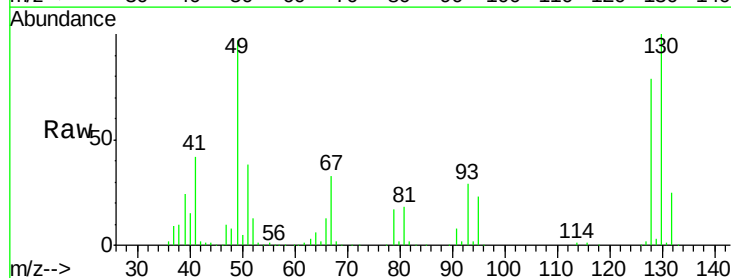
MMDadoda
6/13/2019 9:17:47 AM

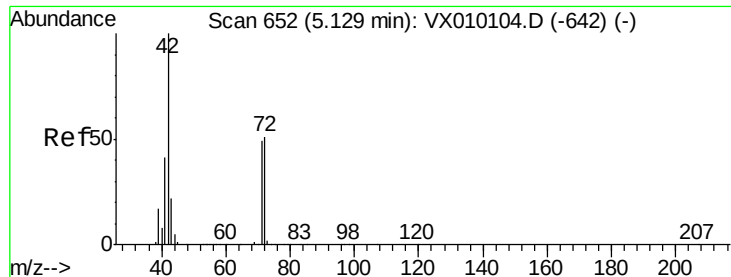


#28

Bromochloromethane
Concen: 48.717 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	3.4
130	102.6	49.4	74.2#





#29

Tetrahydrofuran

Concen: 247.097 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

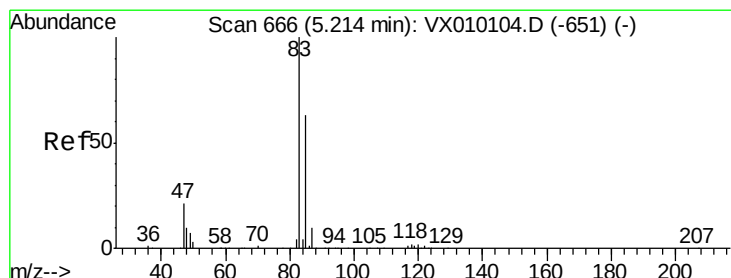
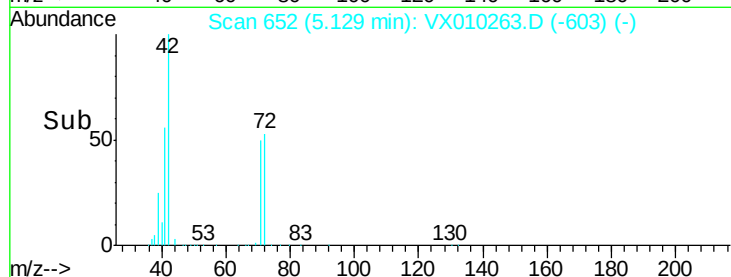
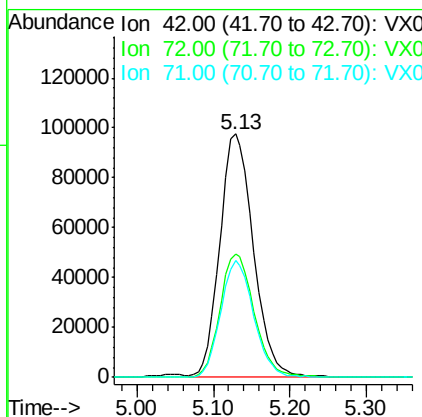
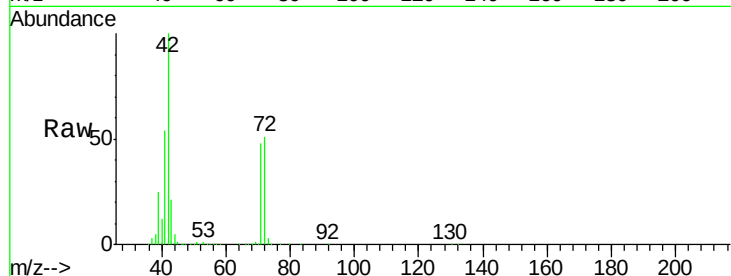
ClientSampleId :

SS043MW010-190611MS

Tot Ion:	42	Resp:	295074
Ion Ratio		Lower	Upper
42	100		
72	52.1	29.2	43.8#
71	47.4	27.6	41.4#

Manual Integrations
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6/13/2019 9:17:47 AM



#30

Chloroform

Concen: 48.075 ug/l

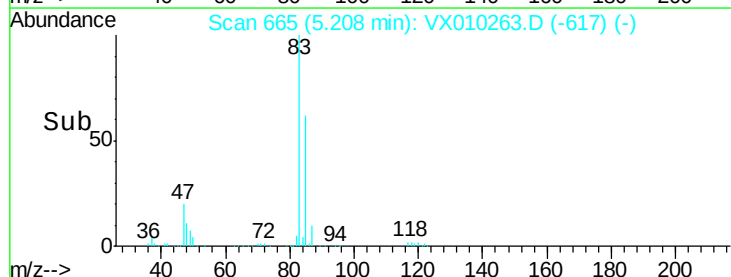
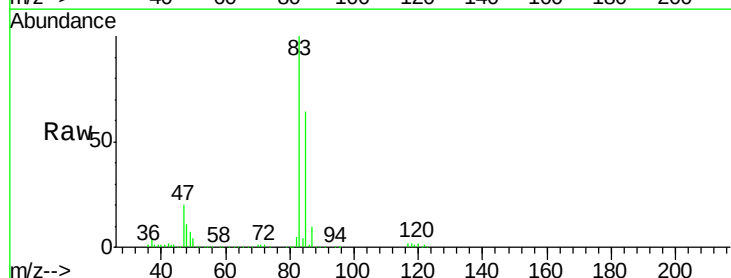
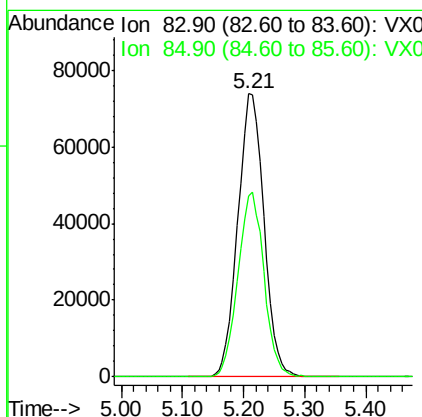
RT: 5.21 min Scan# 665

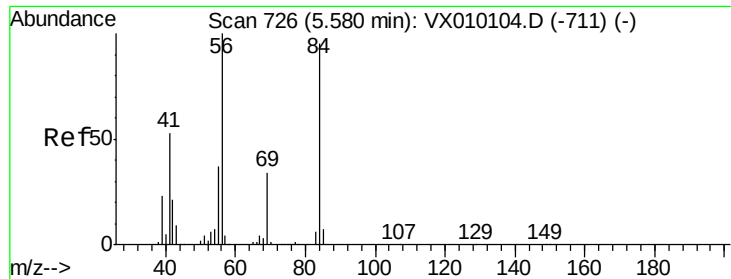
Delta R.T. -0.01 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion:	83	Resp:	218414
Ion Ratio		Lower	Upper
83	100		
85	63.6	52.6	78.8





#31

Cyclohexane

Concen: 45.150 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 56 Resp: 178258

Ion Ratio Lower Upper

56 100

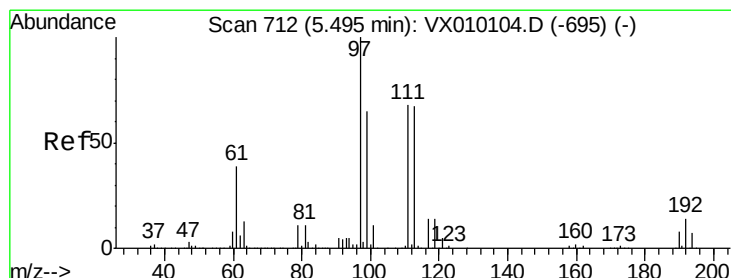
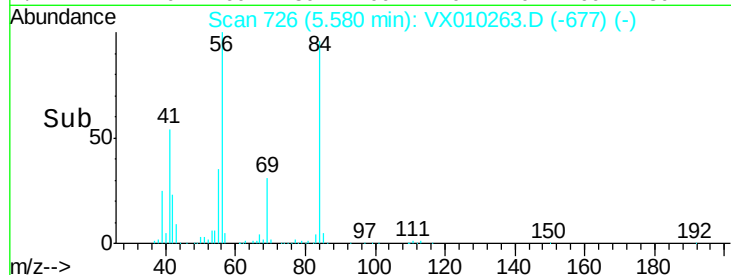
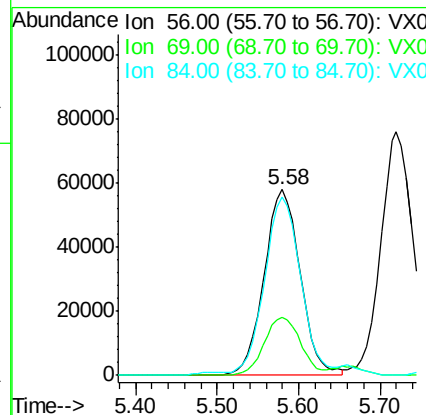
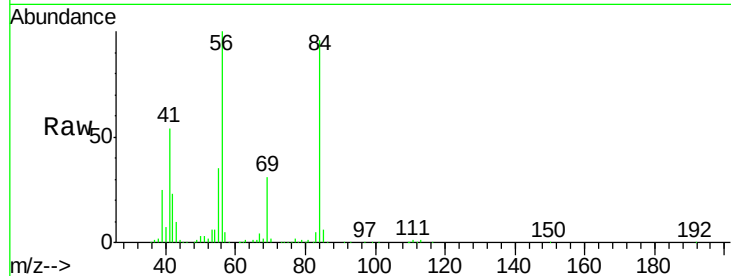
69 31.2 21.6 32.4

84 95.3 56.8 85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.350 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

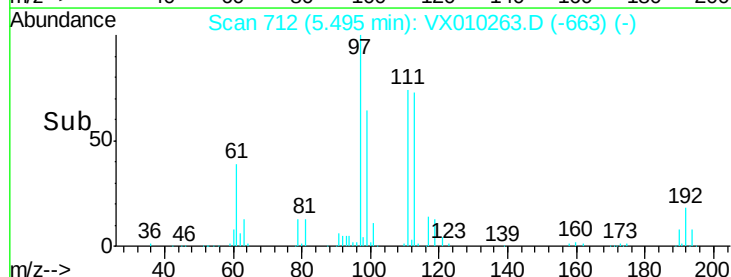
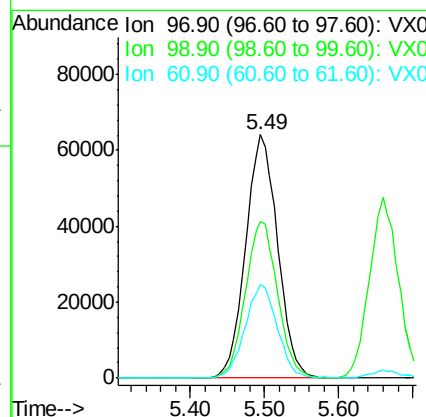
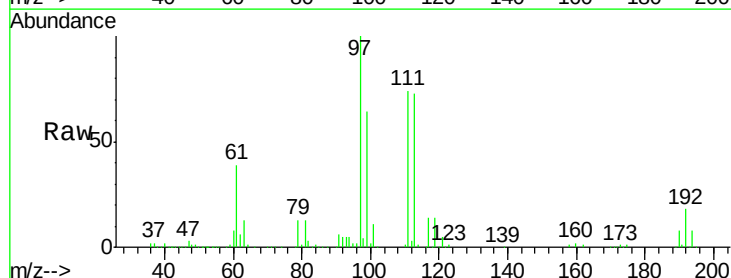
Tgt Ion: 97 Resp: 193694

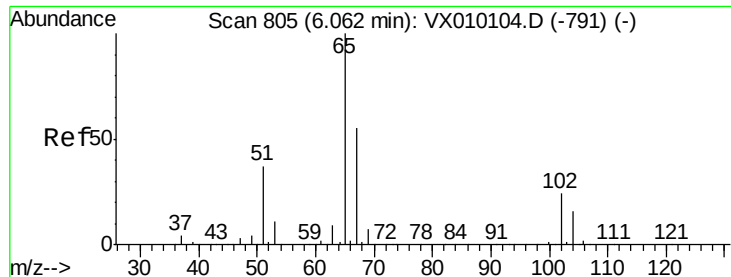
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 38.5 38.7 58.1#





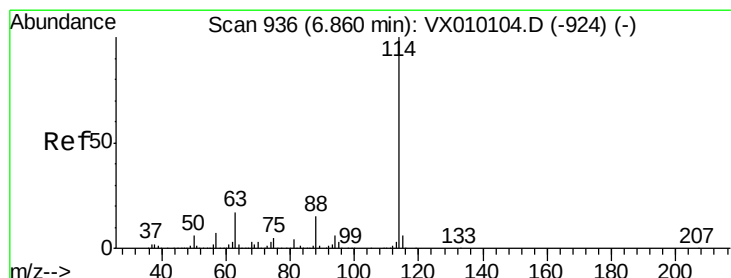
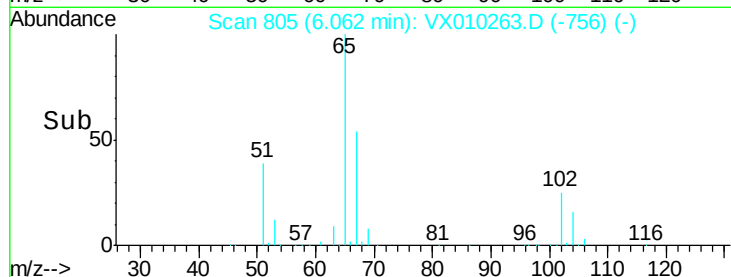
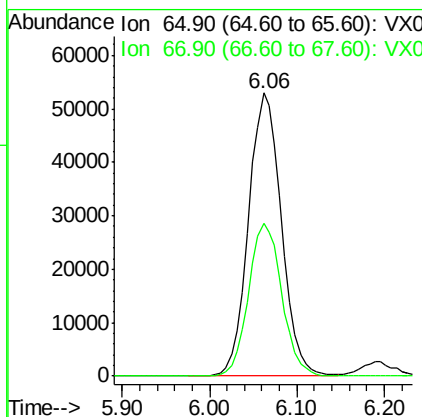
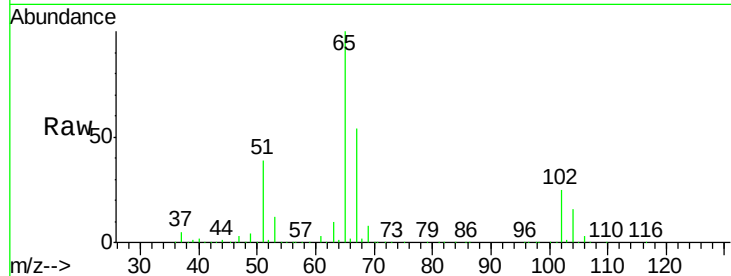
#33
 1,2-Dichloroethane-d4
 Concen: 51.075 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.4

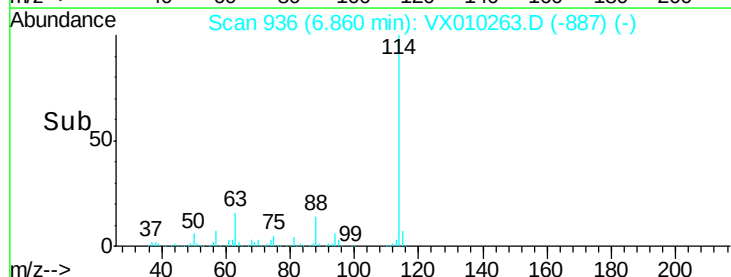
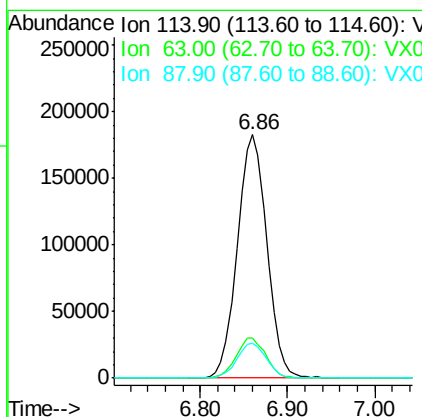
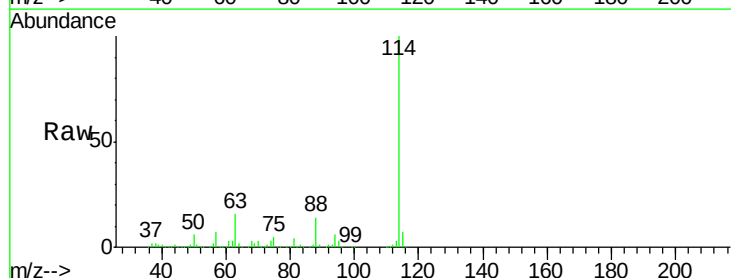
Manual Integrations
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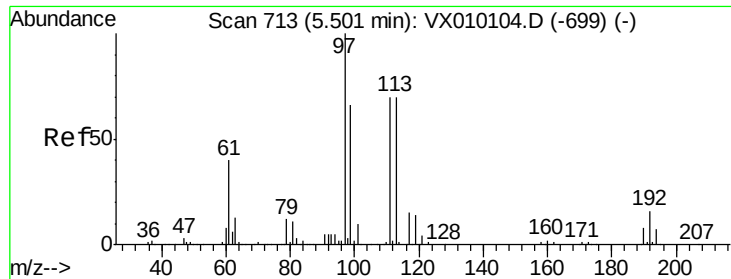
MMDadoda
 6/13/2019 9:17:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	47.4
88	14.5	0.0	33.0





#35

Dibromofluoromethane

Concen: 52.899 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

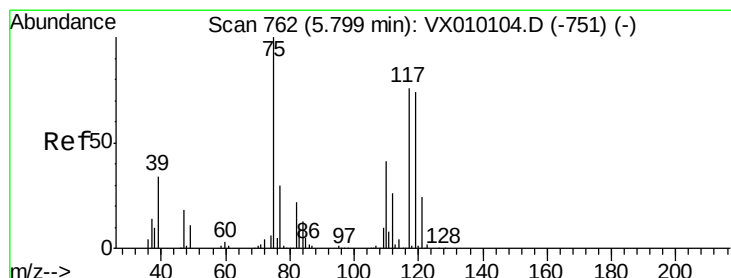
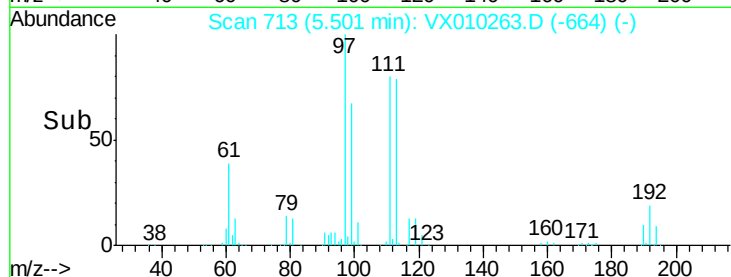
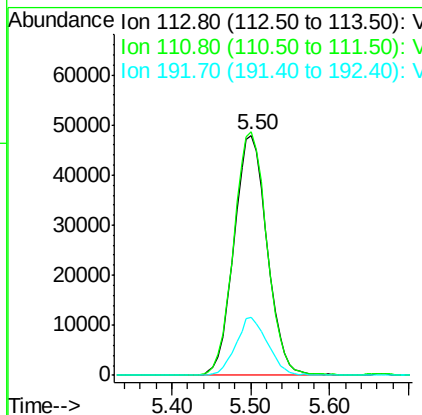
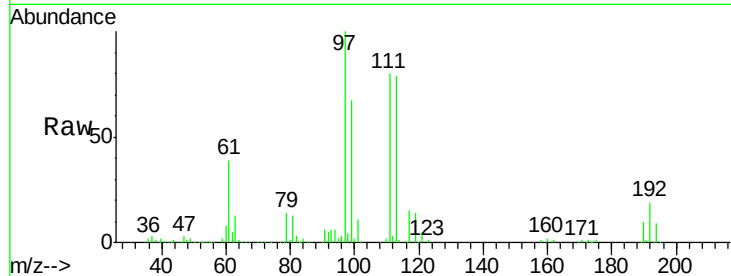
ClientSampleId :

SS043MW010-190611MS

Tot Ion:	113	Resp:	139754
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.2	123.2
192	23.1	17.1	25.7

Manual Integrations
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6/13/2019 9:17:47 AM



#36

1,1-Dichloropropene

Concen: 43.857 ug/l

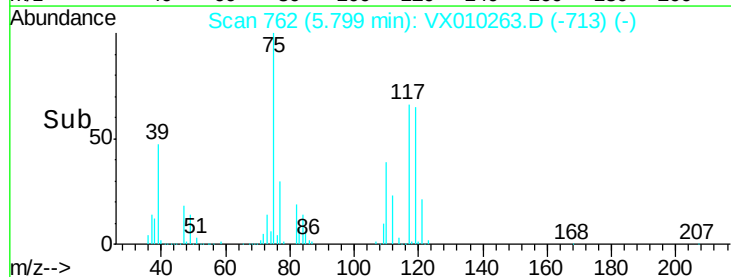
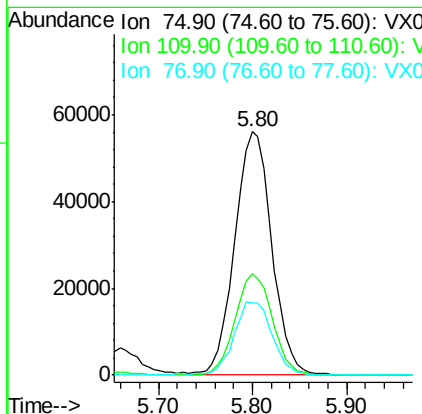
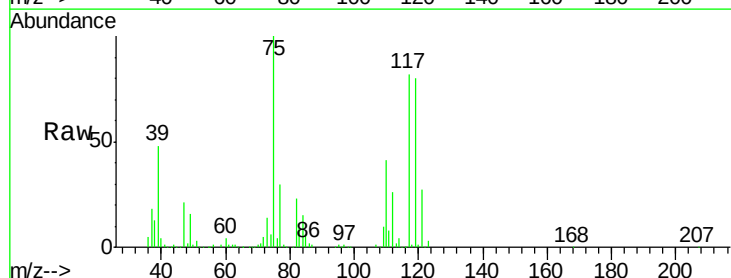
RT: 5.80 min Scan# 762

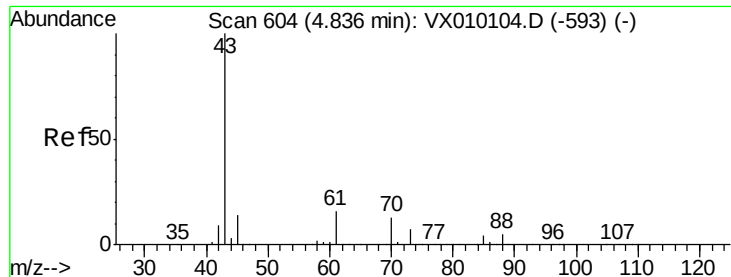
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion:	75	Resp:	153250
Ion Ratio	Lower	Upper	
75	100		
110	42.3	16.7	50.1
77	31.0	25.0	37.4





#37

Ethyl Acetate

Concen: 46.600 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

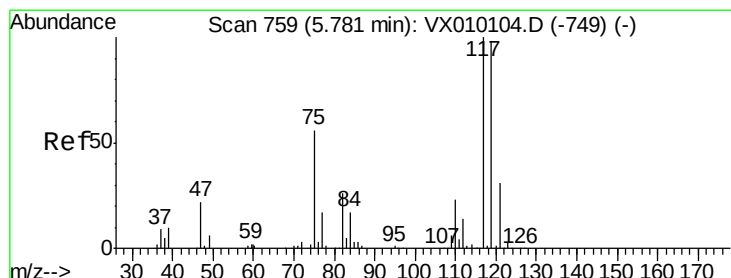
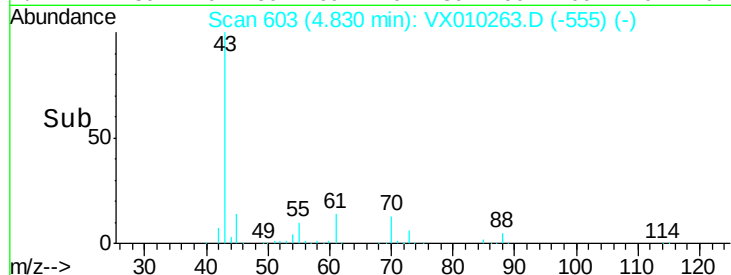
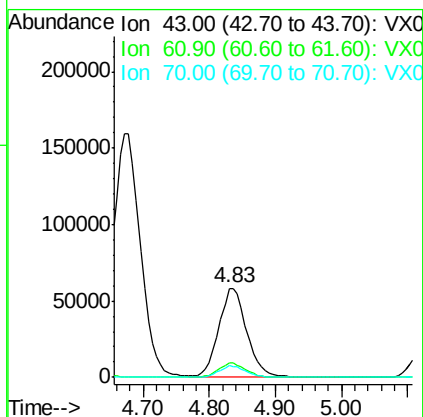
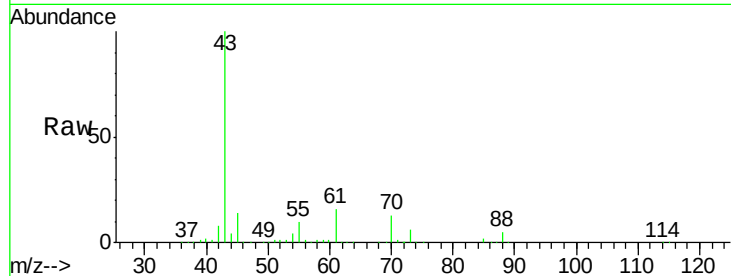
ClientSampleId :

SS043MW010-190611MS

Tot Ion:	43	Resp:	169425
Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.2	15.2#
70	12.7	7.4	11.2#

Manual Integrations
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6/13/2019 9:17:47 AM



#38

Carbon Tetrachloride

Concen: 44.476 ug/l

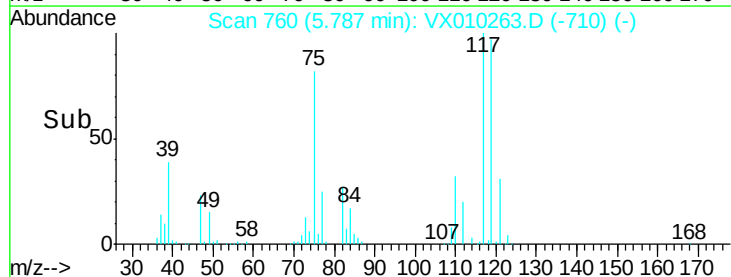
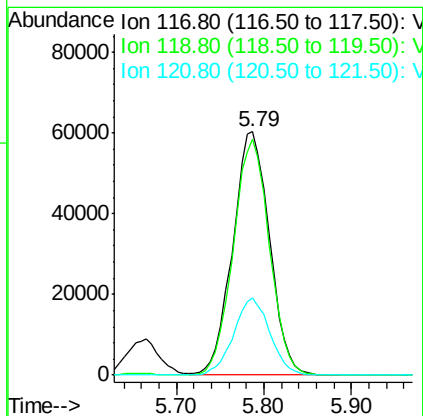
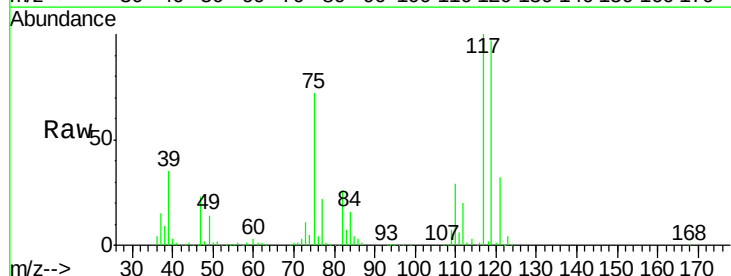
RT: 5.79 min Scan# 760

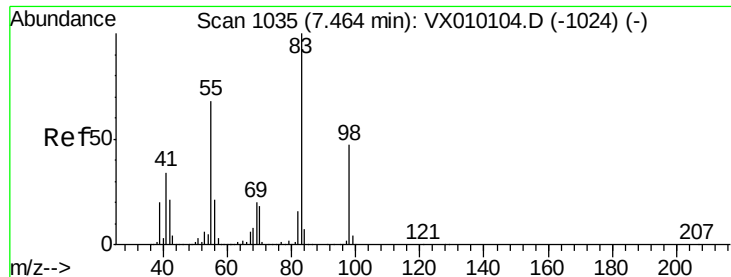
Delta R.T. 0.01 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion:	117	Resp:	175910
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
121	31.6	25.4	38.0





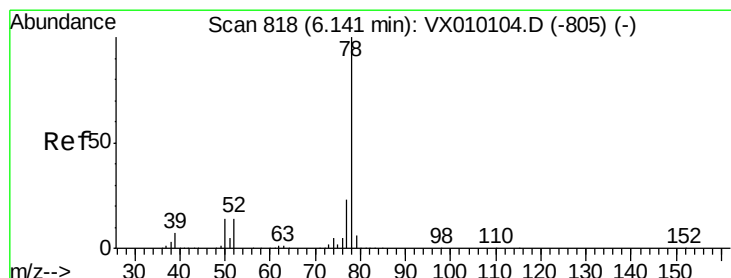
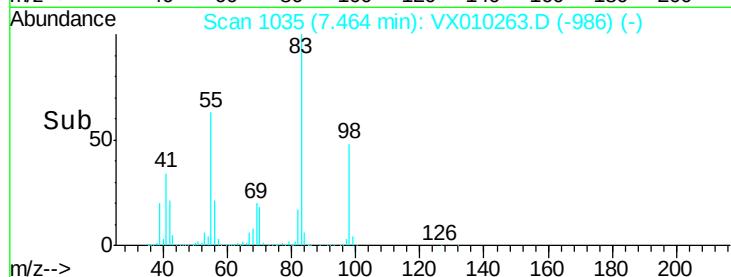
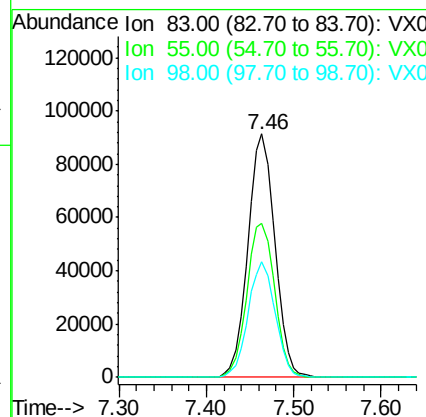
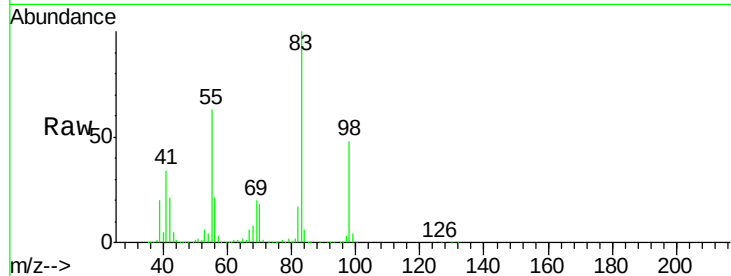
#39
Methylvlcyclohexane
Concen: 41.206 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.4	69.9	104.9#
98	47.6	35.1	52.7

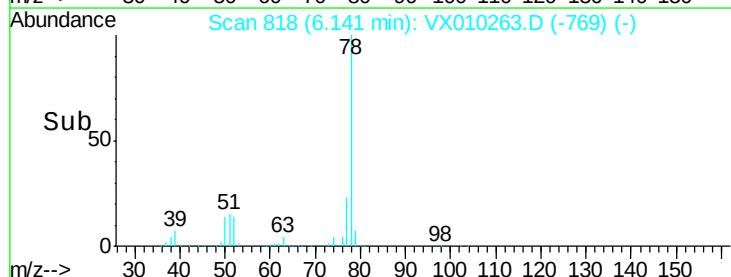
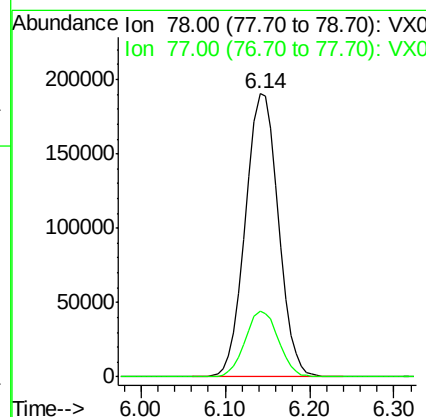
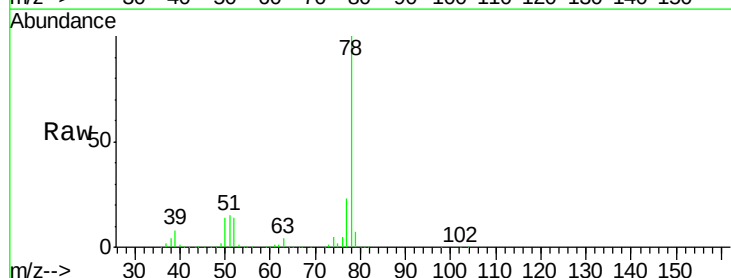
Manual Integrations
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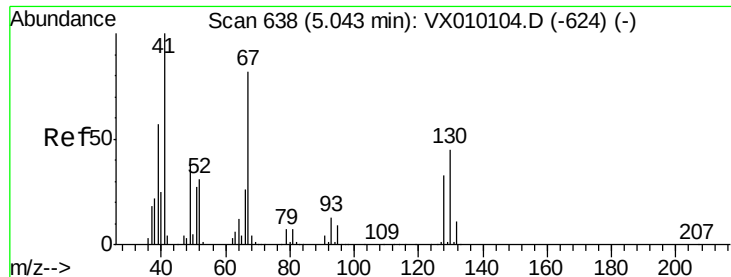
MMDadoda
6/13/2019 9:17:47 AM



#40
Benzene
Concen: 46.678 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 46.890 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

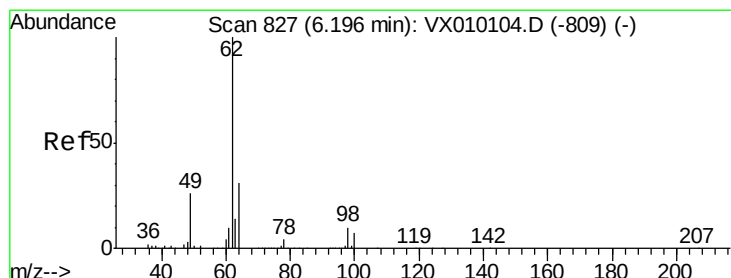
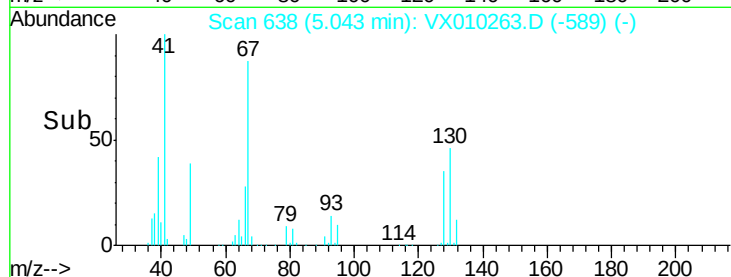
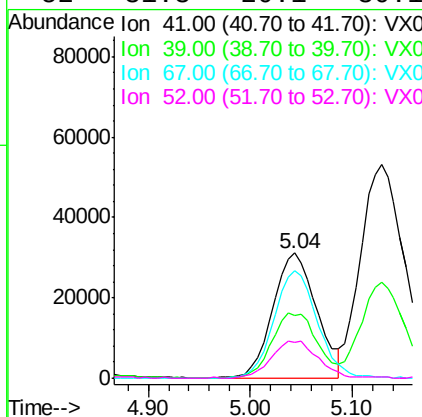
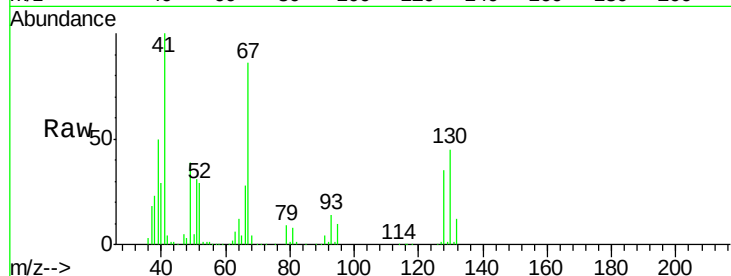
ClientSampleId :

SS043MW010-190611MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.2	63.4	
67	86.6	48.9	73.3	
52	31.3	20.1	30.1	

Manual Integrations
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6/13/2019 9:17:47 AM



#42

1,2-Dichloroethane

Concen: 44.888 ug/l

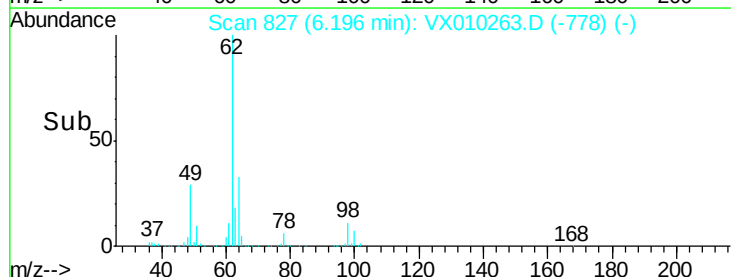
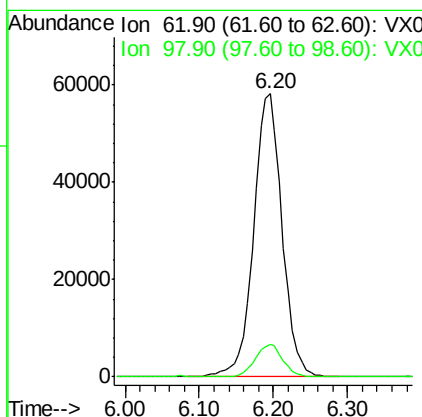
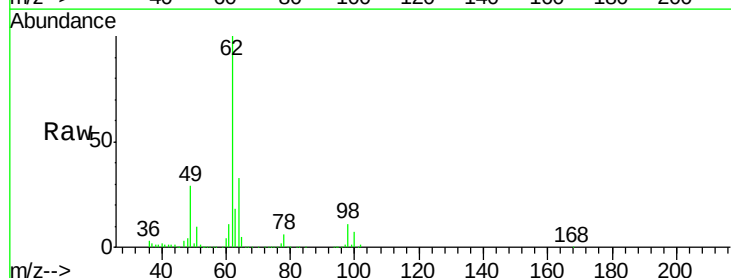
RT: 6.20 min Scan# 827

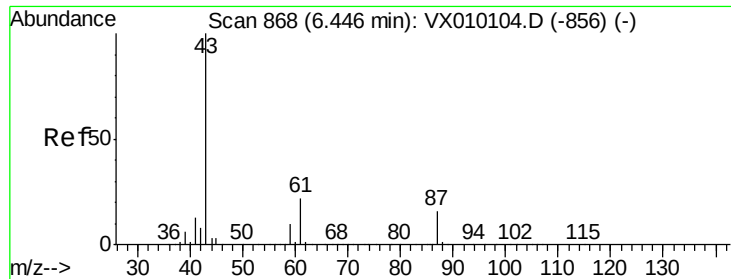
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.3	0.0	17.2	





#43

Isopropyl Acetate

Concen: 46.014 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

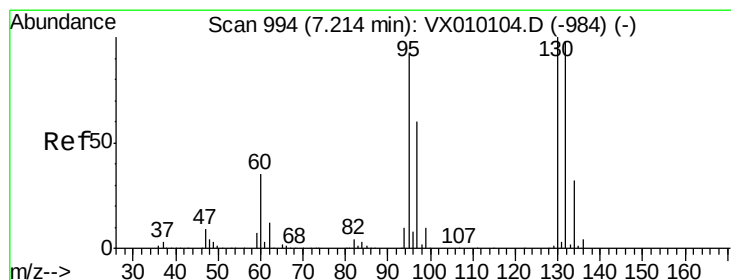
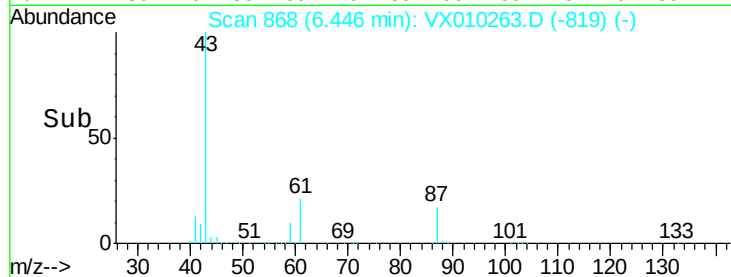
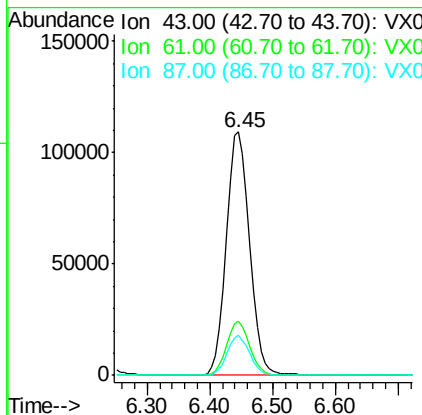
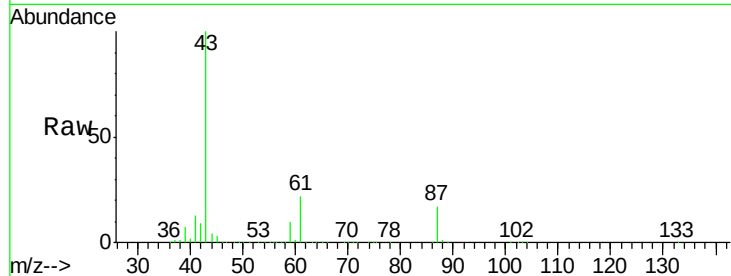
ClientSampleId :

SS043MW010-190611MS

Tot Ion	43	Resp	279719
Ion	Ratio	Lower	Upper
43	100		
61	22.2	14.6	21.8#
87	16.0	8.7	13.1#

Manual Integrations
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#44

Trichloroethene

Concen: 45.001 ug/l

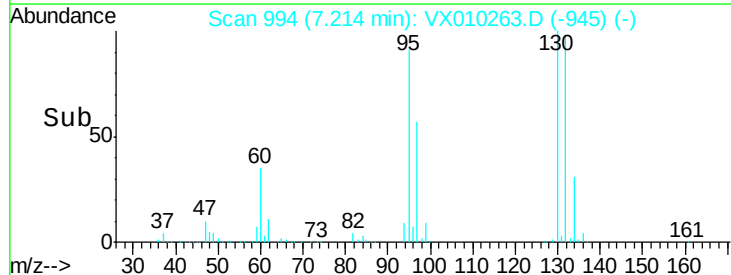
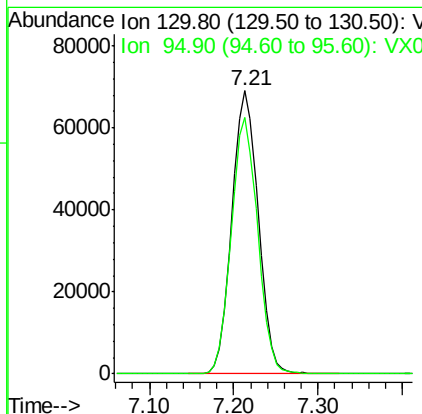
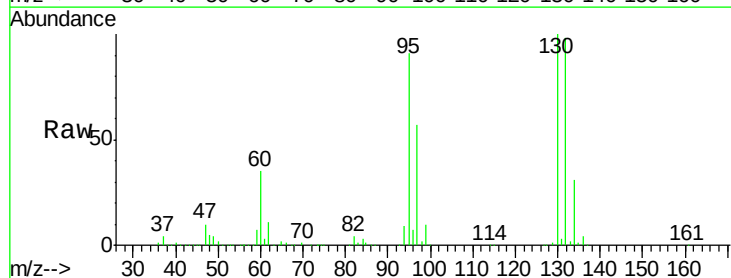
RT: 7.21 min Scan# 994

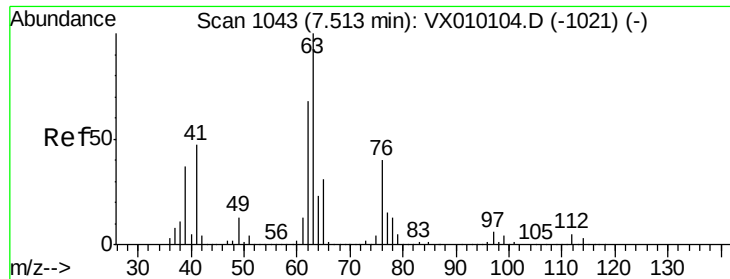
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion	130	Resp	146566
Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	207.4





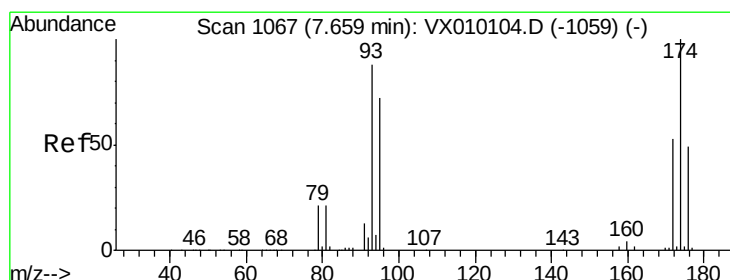
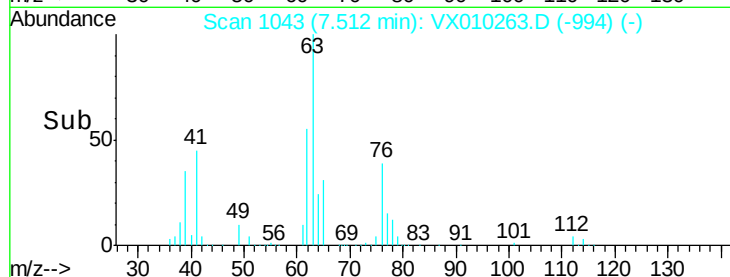
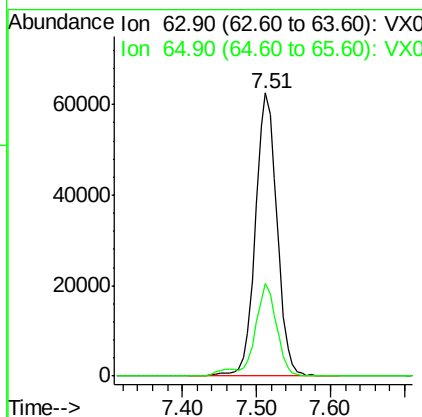
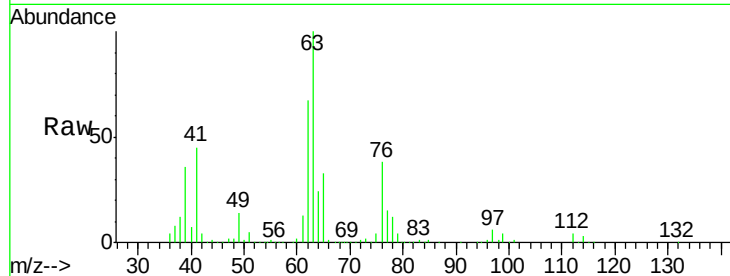
#45
 1,2-Dichloropropane
 Concen: 47.260 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion: 63 Resp: 127813
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.7 38.5

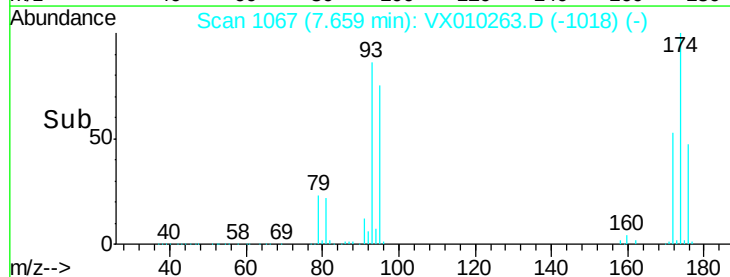
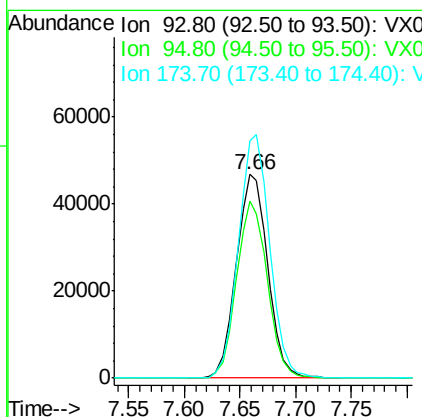
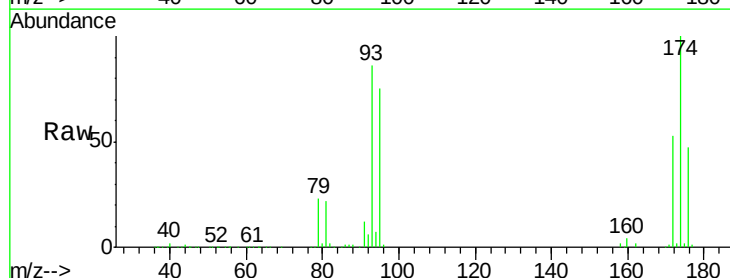
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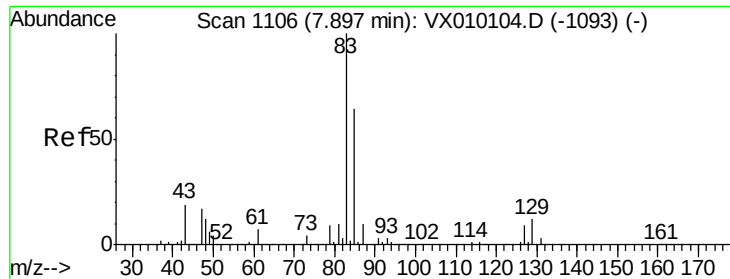
MMDadoda
 6/13/2019 9:17:47 AM



#46
 Dibromomethane
 Concen: 45.228 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion: 93 Resp: 91636
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.8 100.2
 174 119.4 81.9 122.9





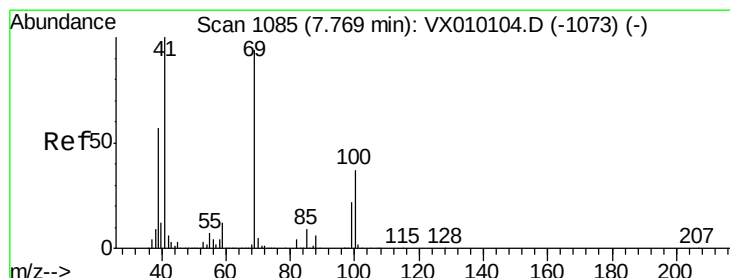
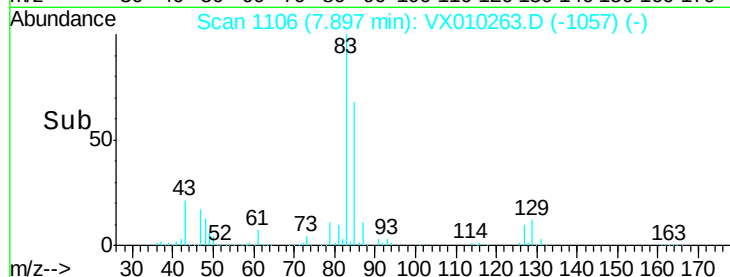
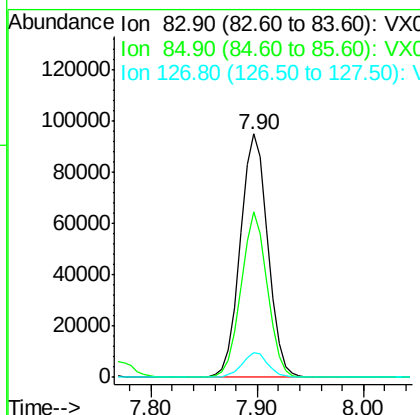
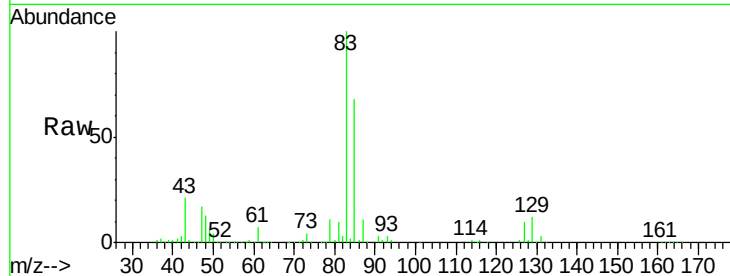
#47
 Bromodichloromethane
 Concen: 45.662 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion	83	Resp	172877
Ion Ratio	100		
83	100		
85	68.0	51.4	77.2
127	10.4	6.4	9.6#

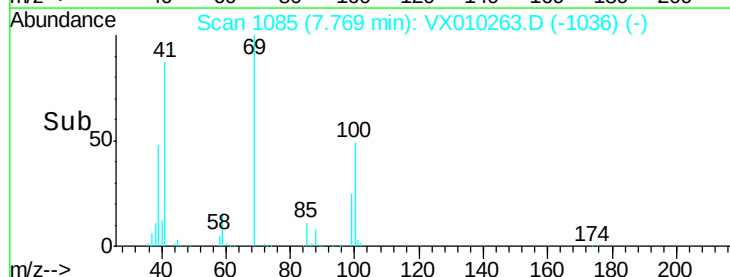
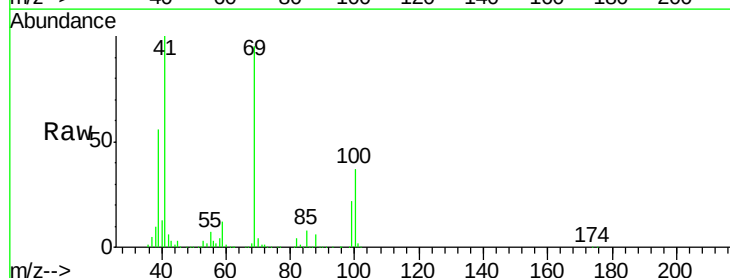
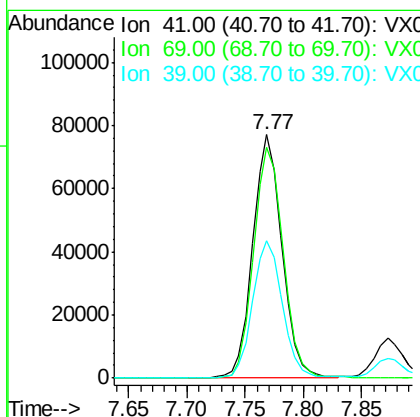
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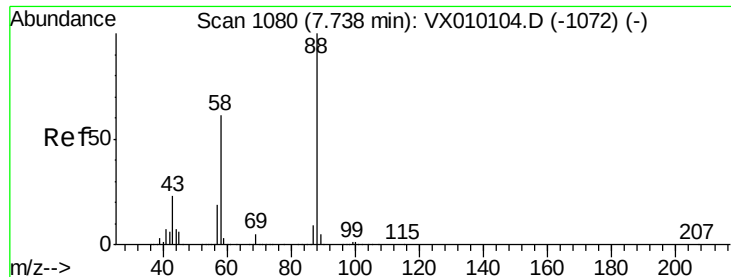
MMDadoda
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#48
 Methyl methacrylate
 Concen: 47.502 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion	41	Resp	135047
Ion Ratio	100		
41	100		
69	96.9	56.4	84.6#
39	57.3	40.6	60.8





#49

1,4-Dioxane

Concen: 858.051 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

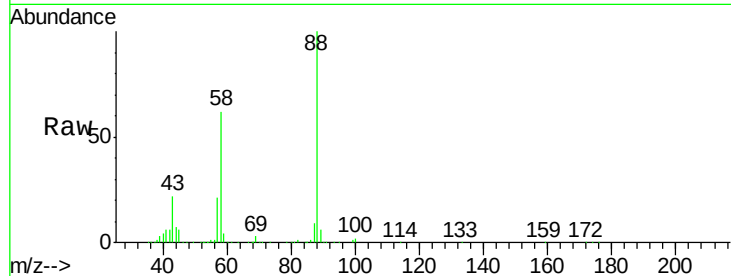
ClientSampleId :

SS043MW010-190611MS

Tot Ion:	88	Resp:	69550
Ion	Ratio	Lower	Upper
88	100		
43	25.0	30.2	45.4#
58	61.1	64.0	96.0#

Manual Integrations
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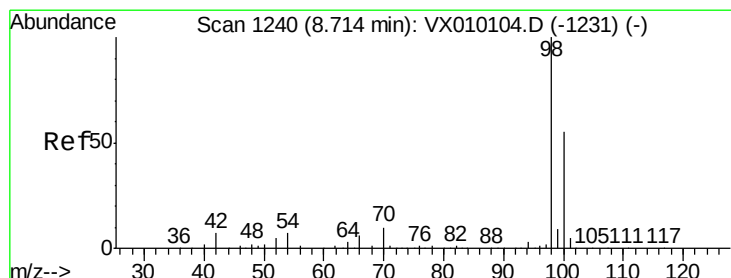
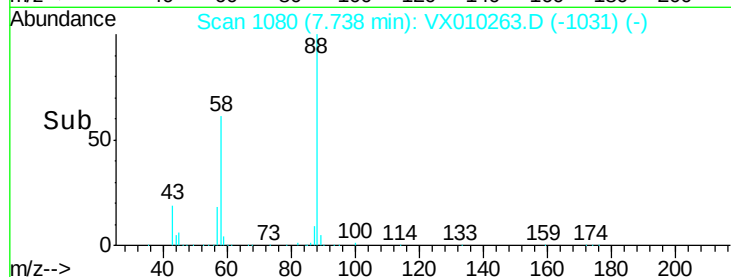
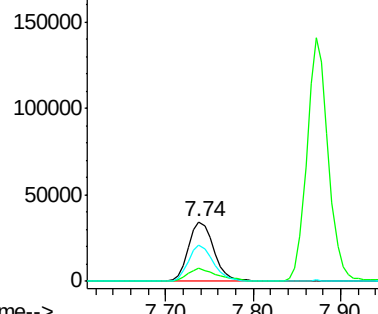
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.677 ug/l

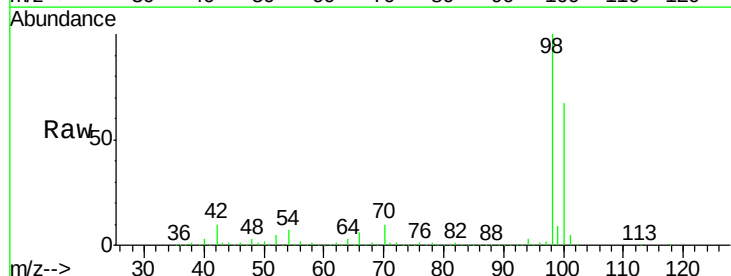
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010263.D

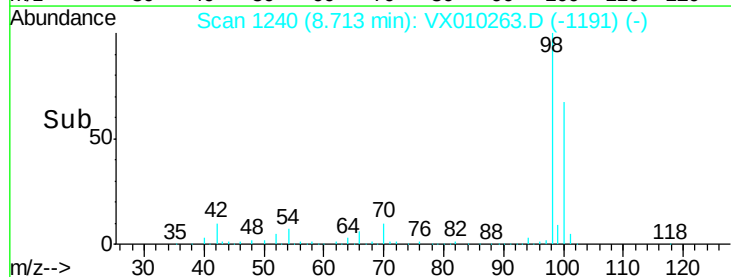
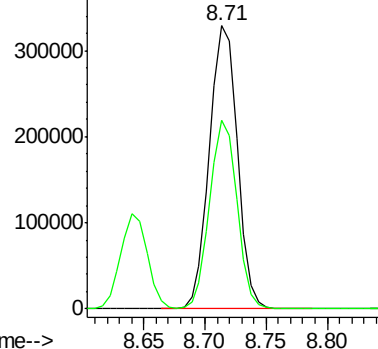
Acq: 12 Jun 2019 20:05

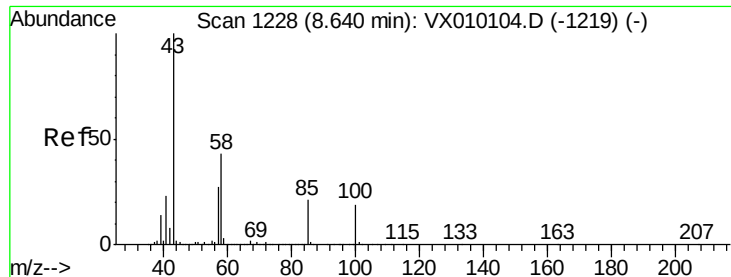
Tgt Ion:	98	Resp:	521580
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 254.965 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 43 Resp: 925922

Ion Ratio Lower Upper

43 100

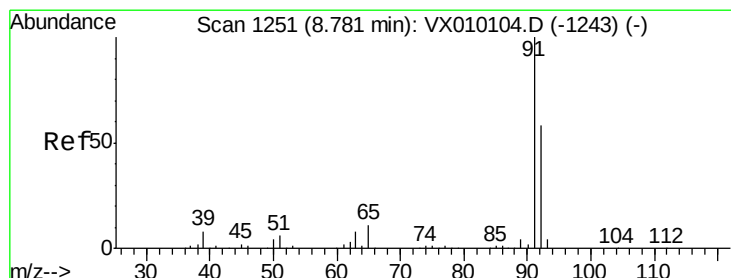
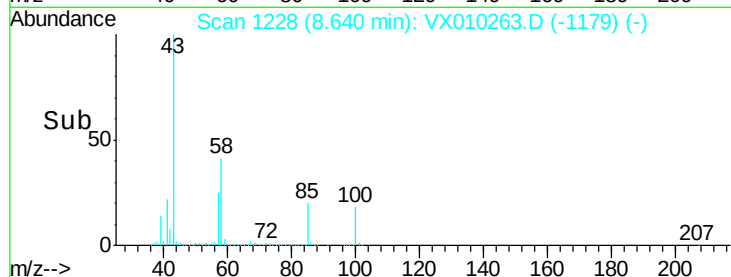
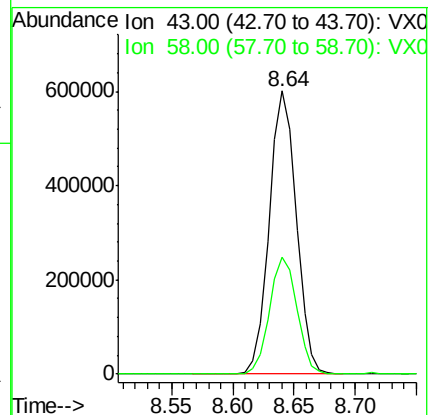
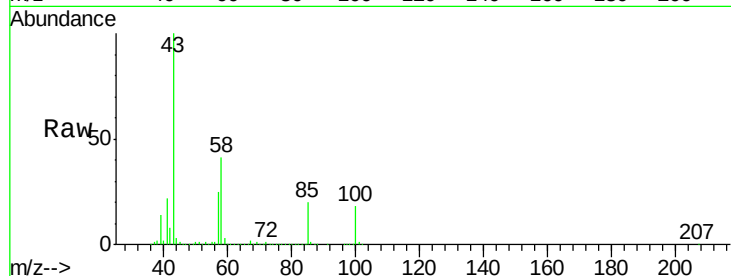
58 41.9 28.8 43.2

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#52

Toluene

Concen: 46.780 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010263.D

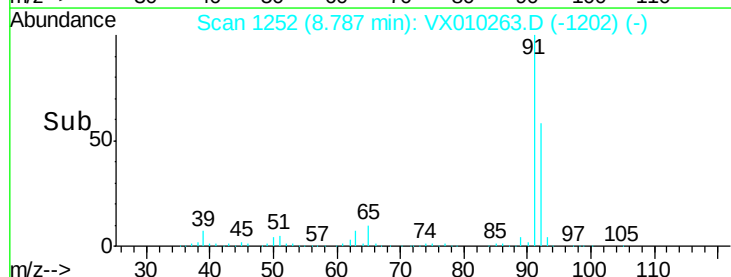
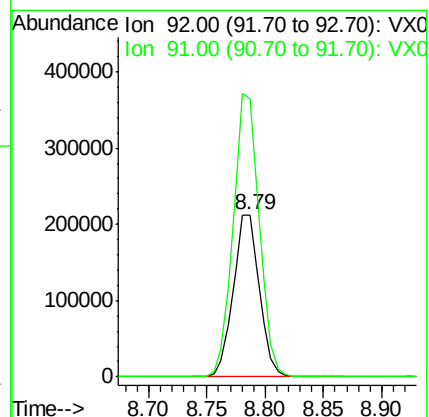
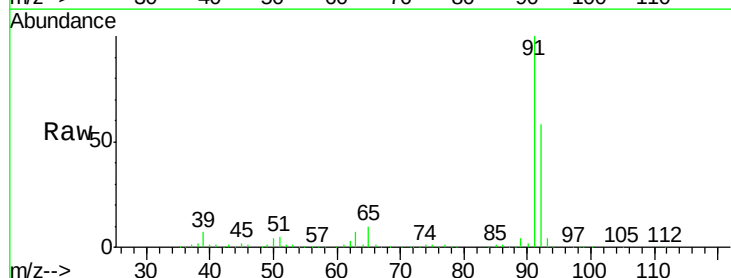
Acq: 12 Jun 2019 20:05

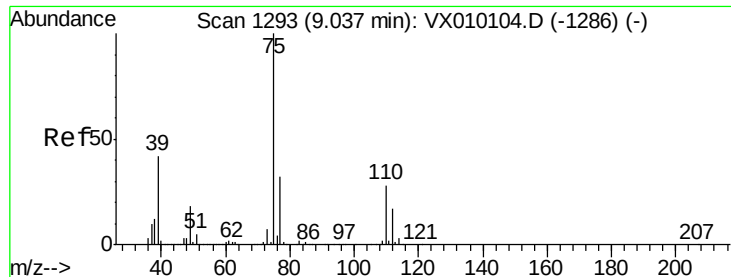
Tgt Ion: 92 Resp: 332267

Ion Ratio Lower Upper

92 100

91 174.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 42.943 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 75 Resp: 188052

Ion Ratio Lower Upper

75 100

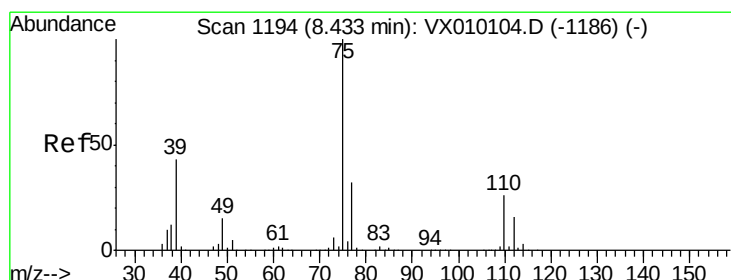
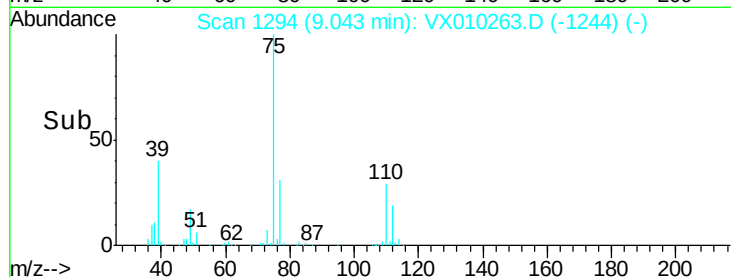
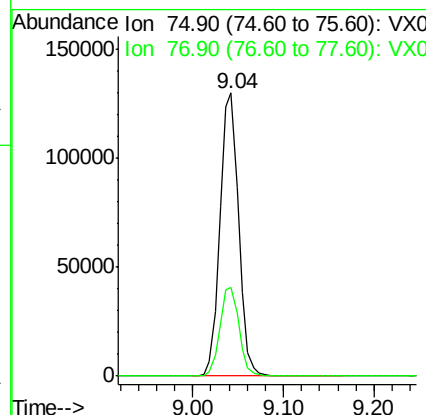
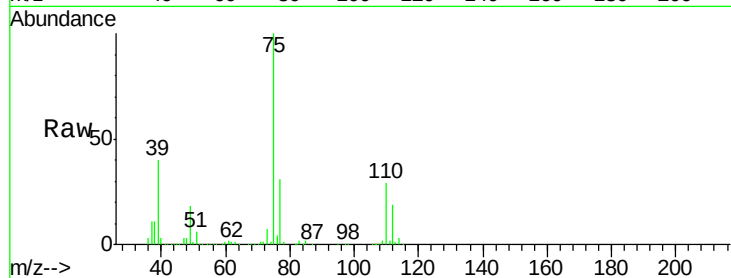
77 31.3 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 43.343 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

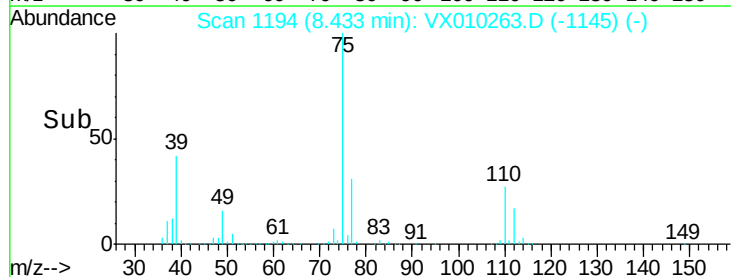
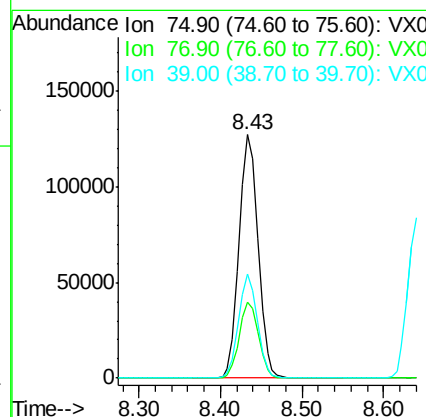
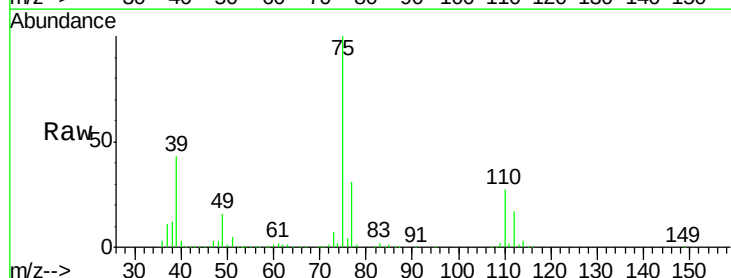
Tgt Ion: 75 Resp: 203480

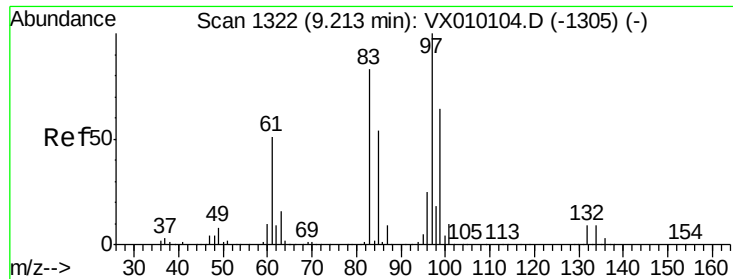
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 42.5 43.4 65.0#





#55

1,1,2-Trichloroethane

Concen: 49.160 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

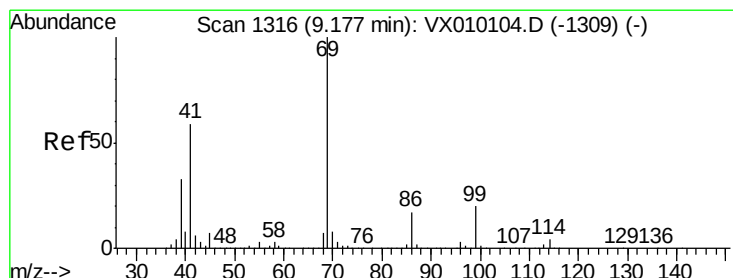
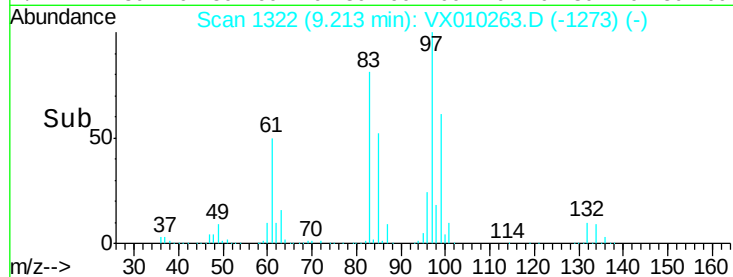
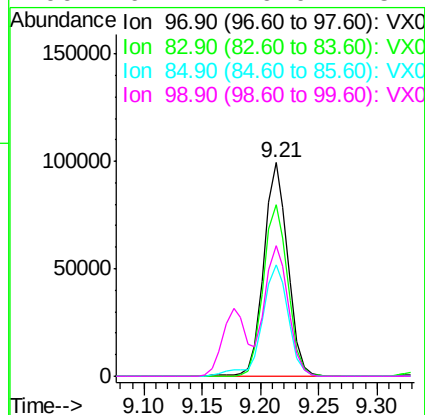
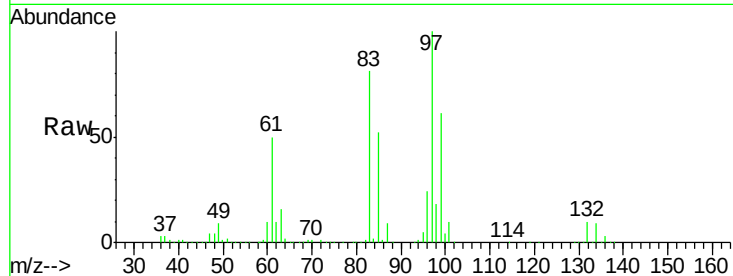
ClientSampleId :

SS043MW010-190611MS

Tot Ion:	97	Resp:	143001
Ion Ratio	Lower	Upper	
97	100		
83	80.5	69.8	104.8
85	52.2	45.3	67.9
99	61.2	49.0	73.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.868 ug/l

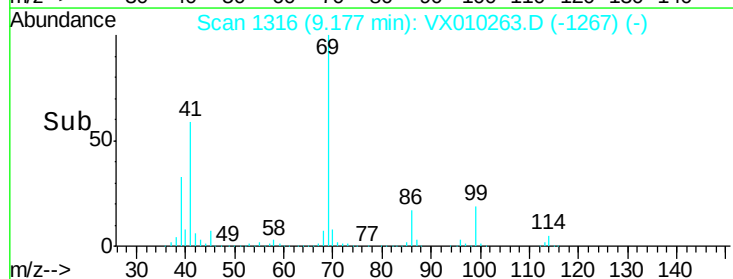
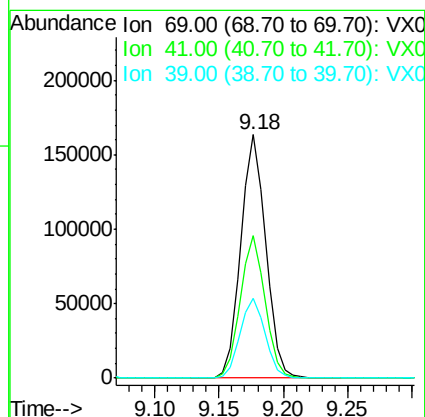
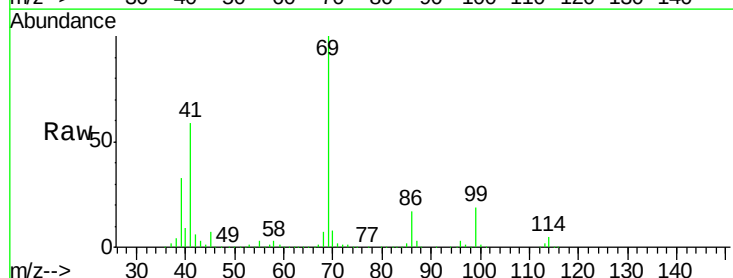
RT: 9.18 min Scan# 1316

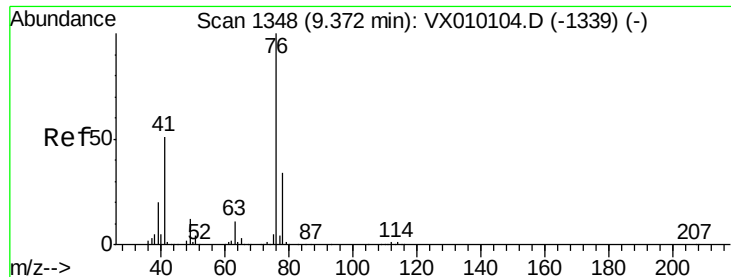
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion:	69	Resp:	219953
Ion Ratio	Lower	Upper	
69	100		
41	57.9	62.7	94.1#
39	32.9	29.5	44.3





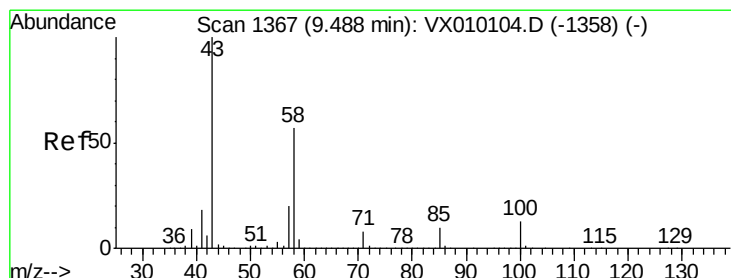
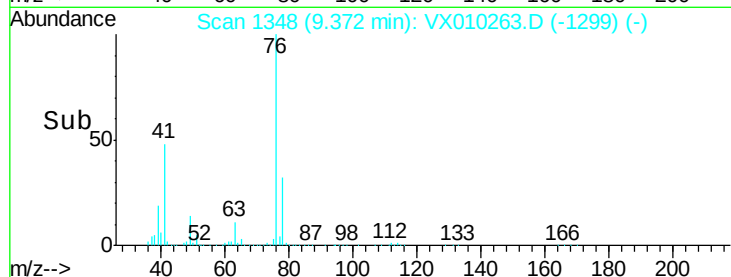
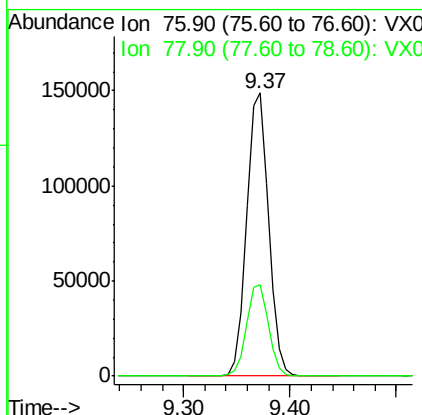
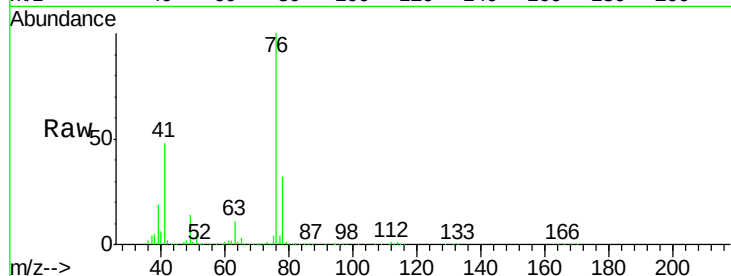
#57
 1,3-Dichloropropane
 Concen: 47.224 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.0

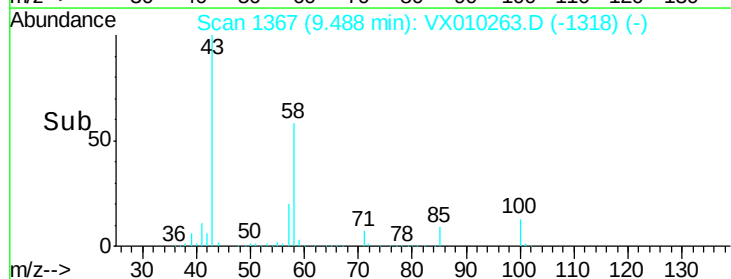
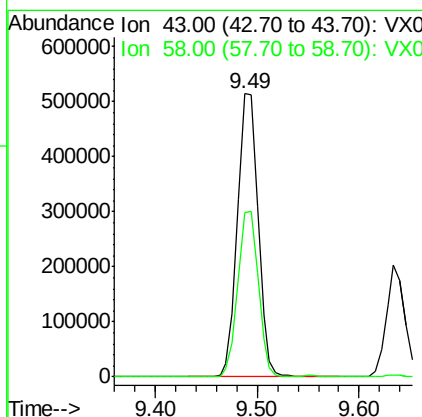
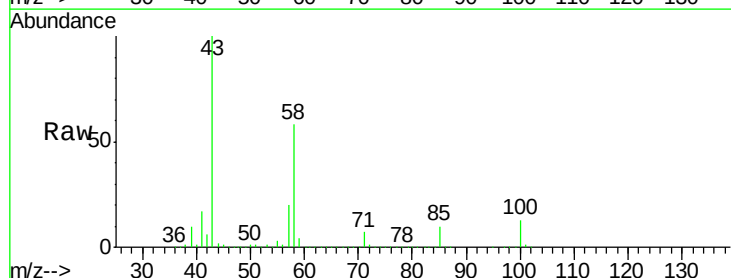
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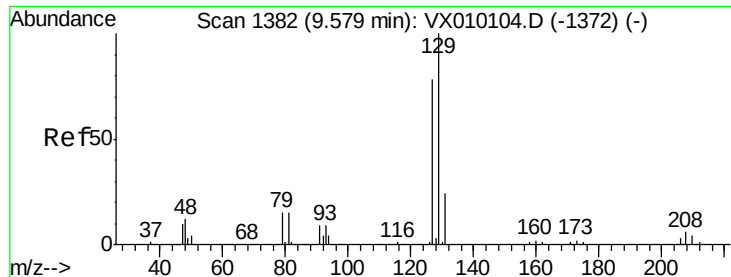
MMDadoda
 6/13/2019 9:17:47 AM



#59
 2-Hexanone
 Concen: 248.220 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.2	25.1	75.3





#60

Dibromochloromethane

Concen: 47.076 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion:129 Resp: 161975

Ion Ratio Lower Upper

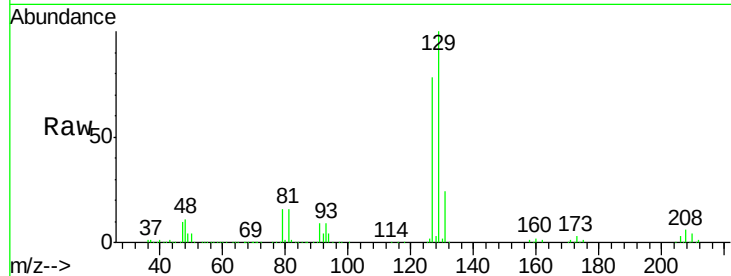
129 100

127 76.7 38.5 115.5

Manual Integrations
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

120000

100000

80000

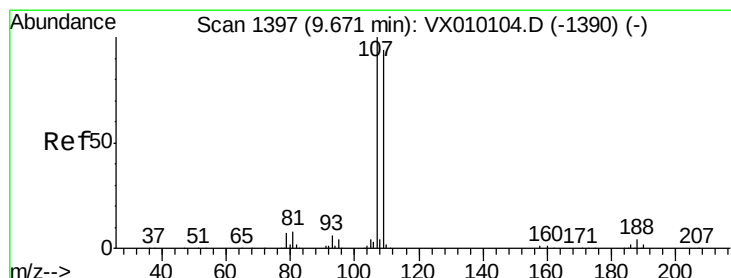
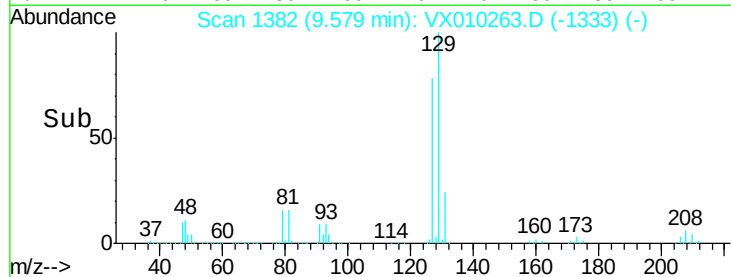
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#61

1,2-Dibromoethane

Concen: 46.952 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010263.D

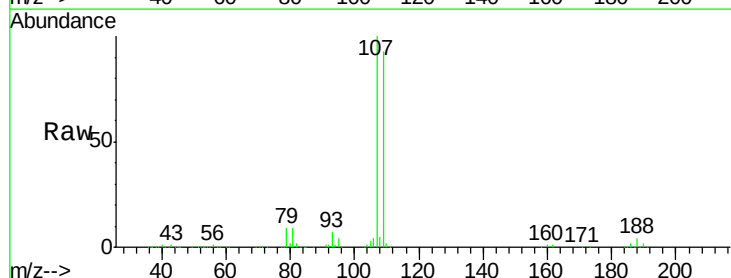
Acq: 12 Jun 2019 20:05

Tgt Ion:107 Resp: 152111

Ion Ratio Lower Upper

107 100

109 94.9 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

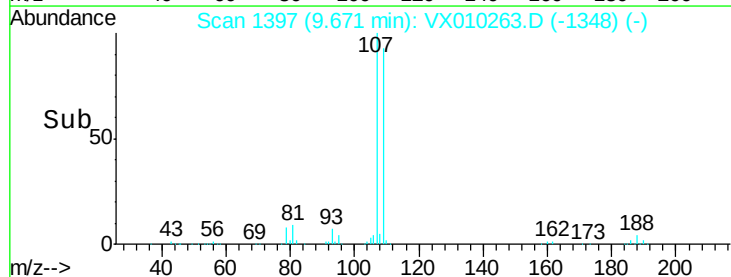
60000

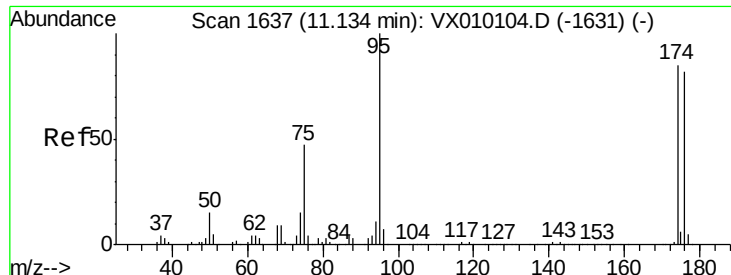
40000

20000

0

Time--> 9.60 9.65 9.70 9.75





#62

4-Bromofluorobenzene

Concen: 52.419 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

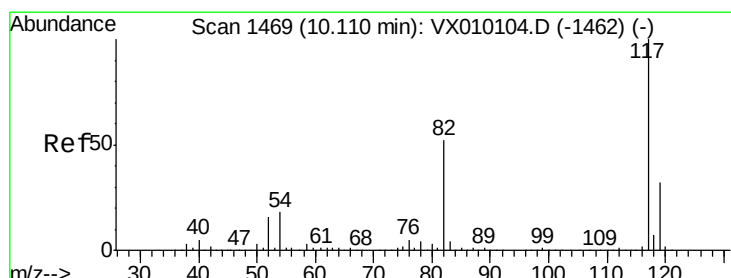
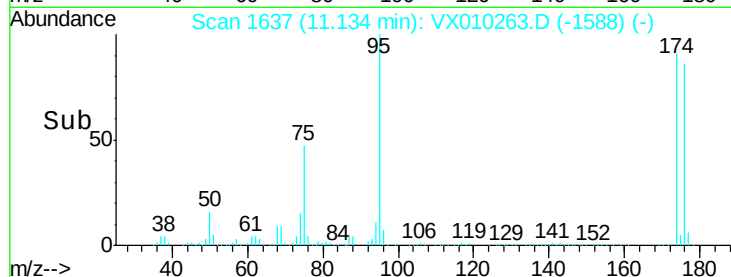
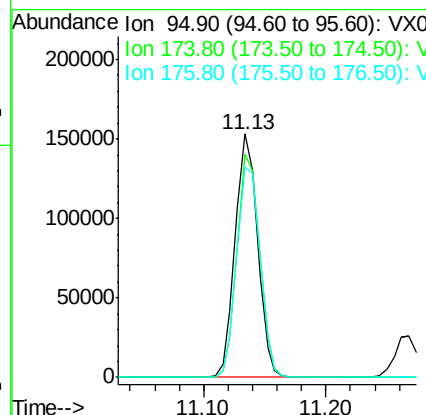
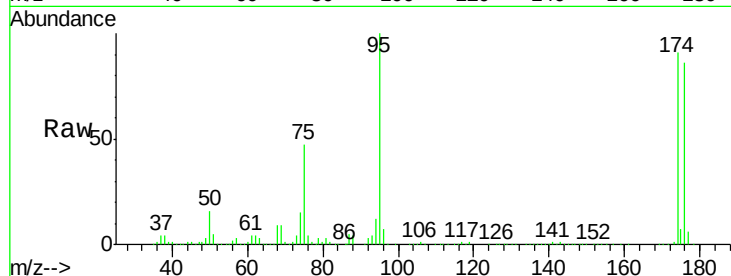
ClientSampleId :

SS043MW010-190611MS

Tot Ion	95	Resp	193835
Ion Ratio	Lower	Upper	
95	100		
174	92.8	0.0	160.4
176	90.5	0.0	154.6

Manual Integrations
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6/13/2019 9:17:47 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

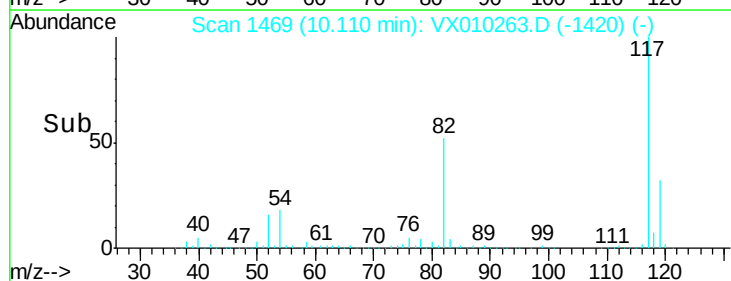
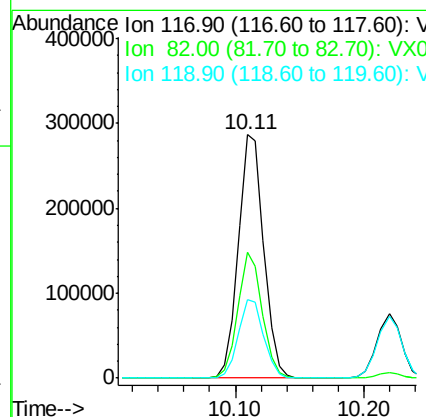
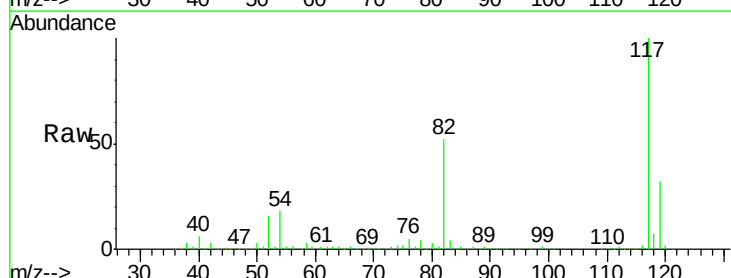
RT: 10.11 min Scan# 1469

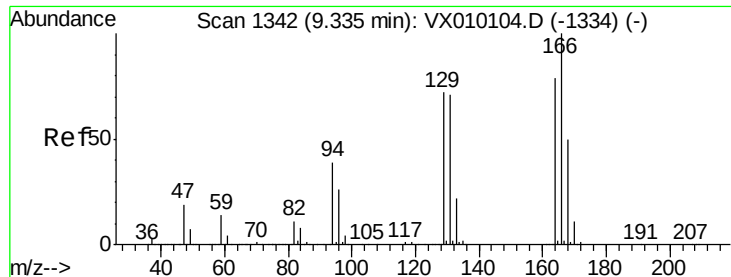
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion	117	Resp	393442
Ion Ratio	Lower	Upper	
117	100		
82	51.8	49.2	73.8
119	32.4	25.2	37.8





#64

Tetrachloroethene

Concen: 43.680 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion:164 Resp: 127640

Ion Ratio Lower Upper

164 100

166 130.8 105.0 157.4

129 90.7 75.1 112.7

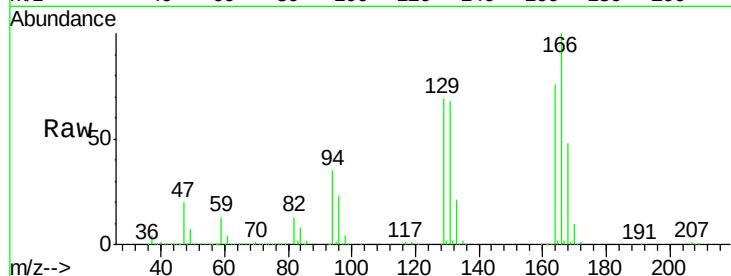
131 88.4 72.2 108.4

Manual Integrations

APPROVED

MMDadoda

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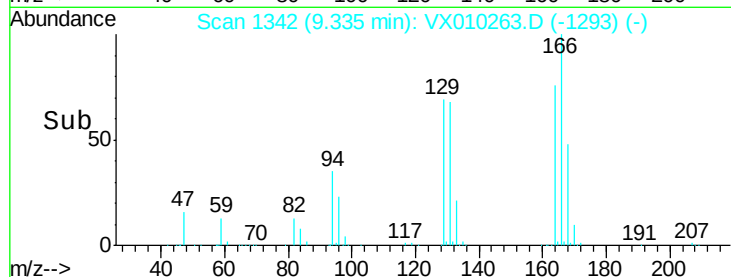


Abundance Ion 163.80 (163.50 to 164.50): V

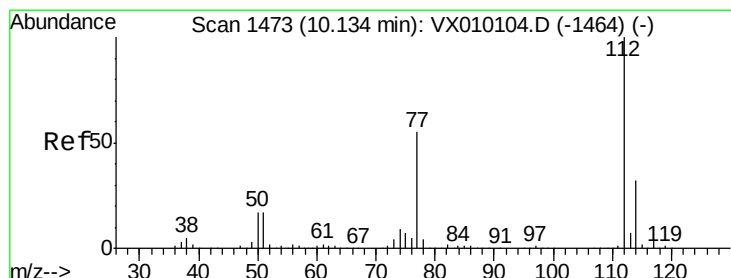
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#65

Chlorobenzene

Concen: 72.415 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010263.D

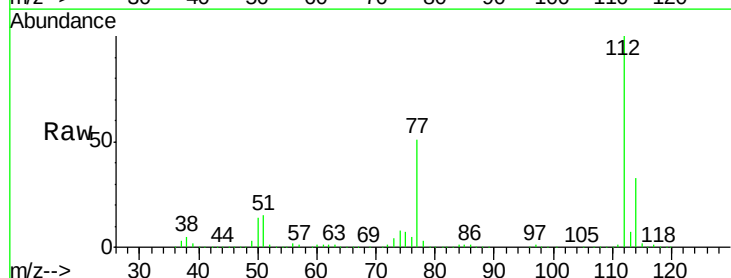
Acq: 12 Jun 2019 20:05

Tgt Ion:112 Resp: 588034

Ion Ratio Lower Upper

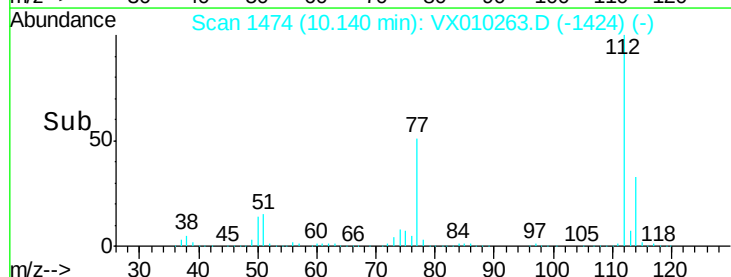
112 100

114 32.8 25.8 38.8

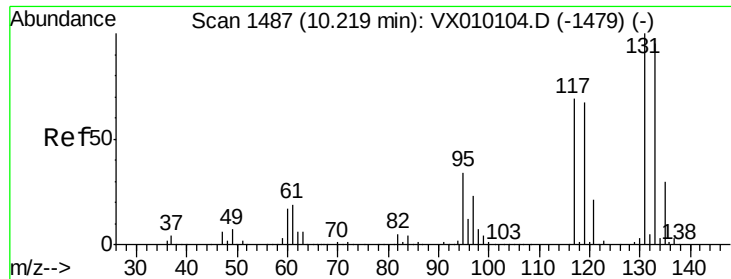


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.441 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

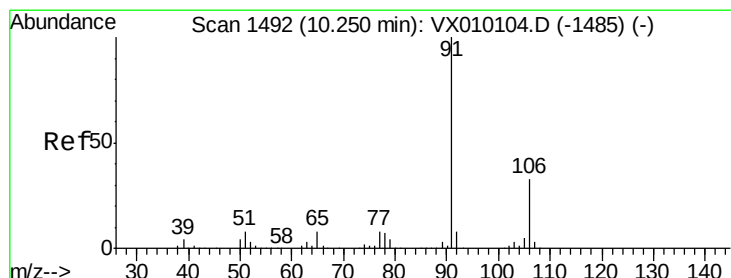
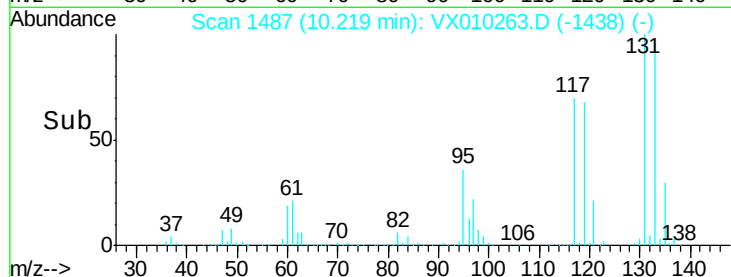
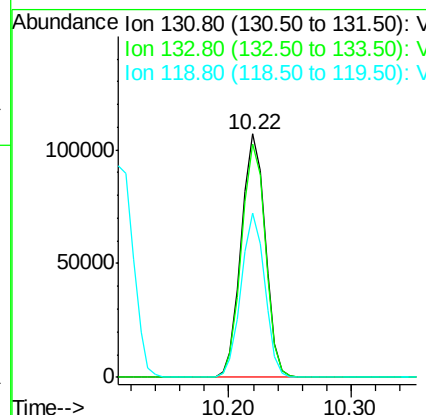
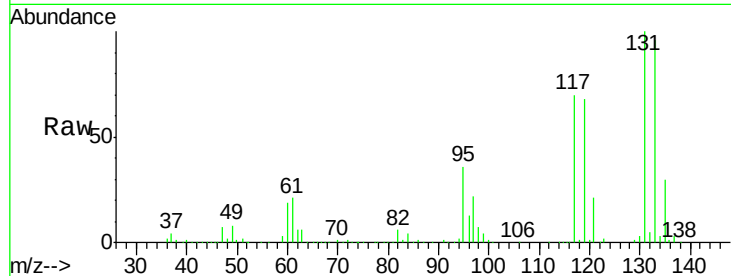
ClientSampleId :

SS043MW010-190611MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.5	142.6
119	66.4	33.4	100.1

Manual Integrations
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MMDadoda
6/13/2019 9:17:47 AM



#67

Ethyl Benzene

Concen: 45.909 ug/l

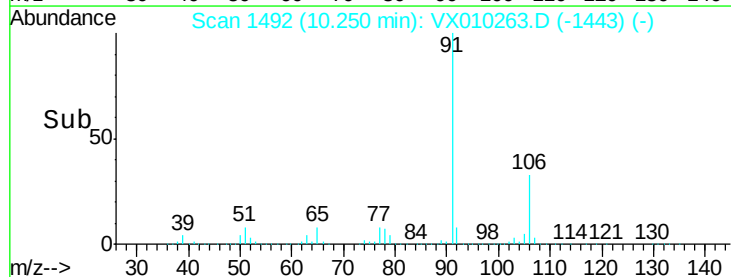
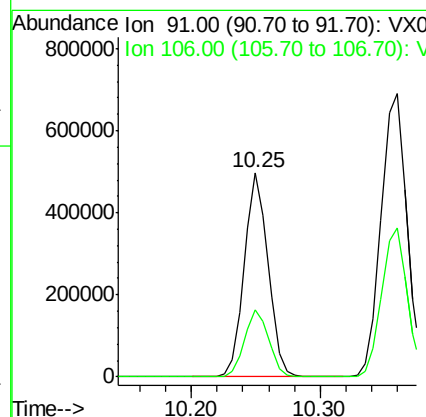
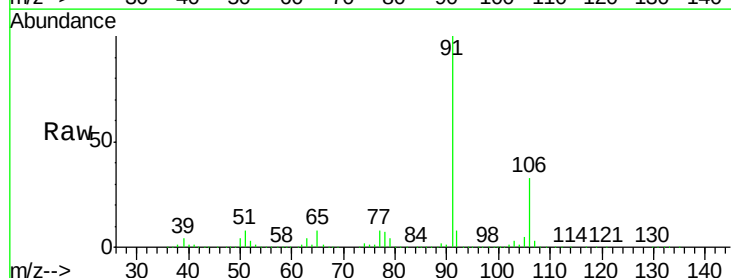
RT: 10.25 min Scan# 1492

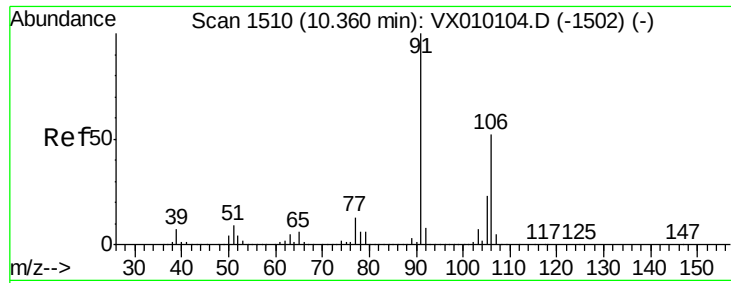
Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	23.9	35.9





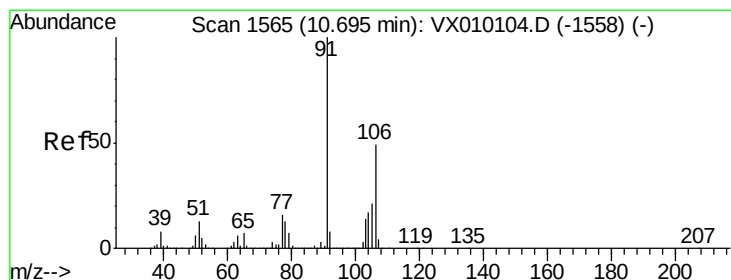
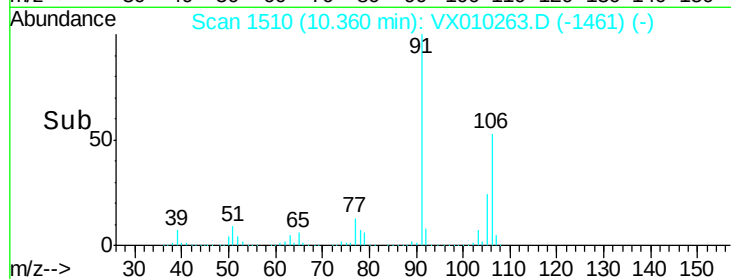
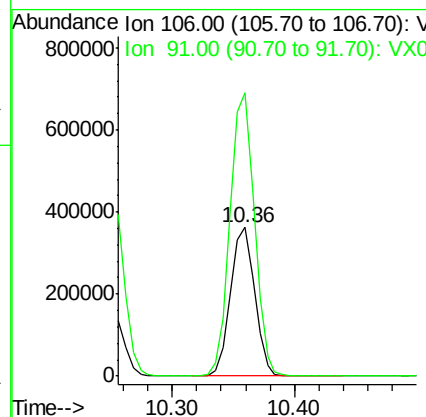
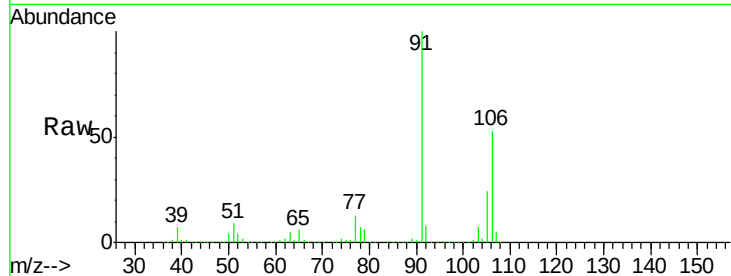
#68
m/p-Xylenes
Concen: 92.657 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion:106 Resp: 495654
Ion Ratio Lower Upper
106 100
91 192.3 167.3 250.9

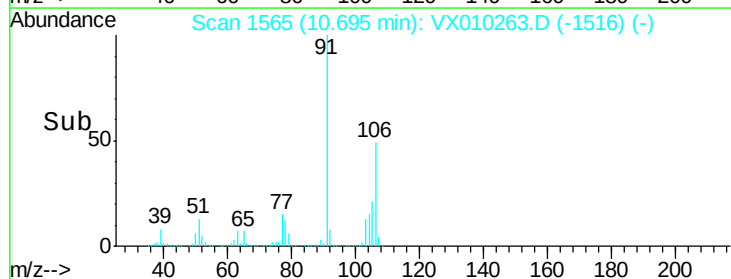
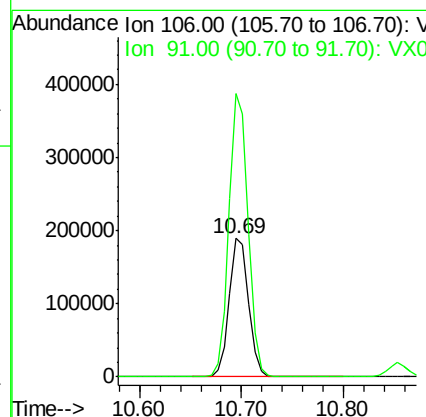
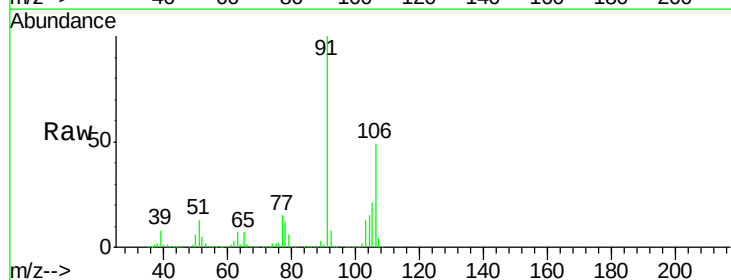
Manual Integrations
APPROVED

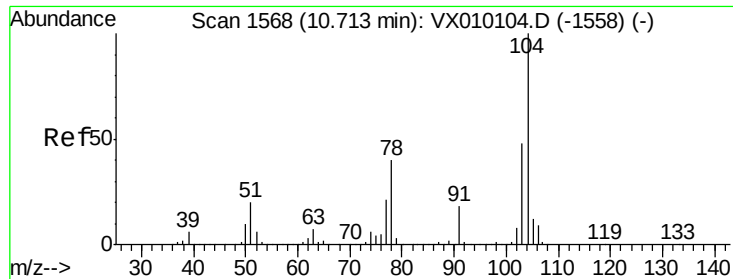
MMDadoda
6/13/2019 9:17:47 AM



#69
o-Xylene
Concen: 46.655 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion:106 Resp: 248091
Ion Ratio Lower Upper
106 100
91 202.8 110.4 331.2





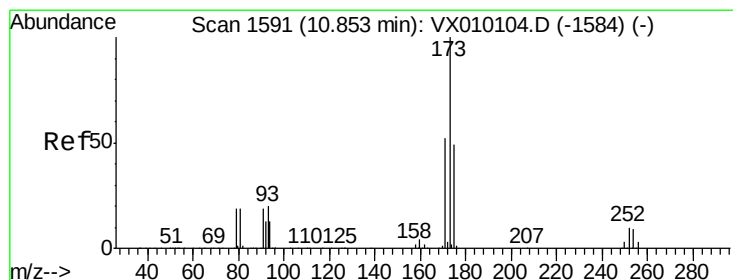
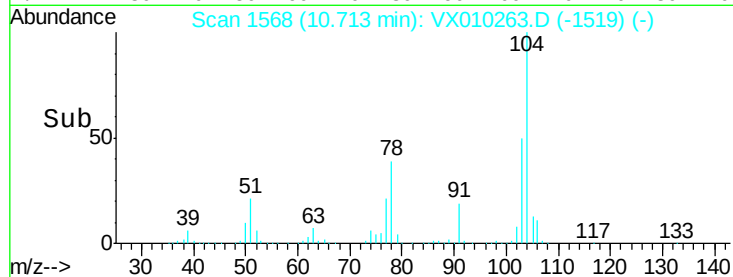
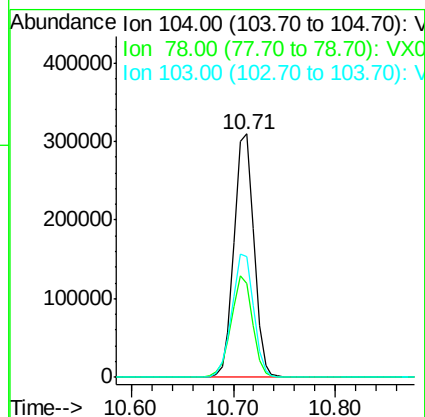
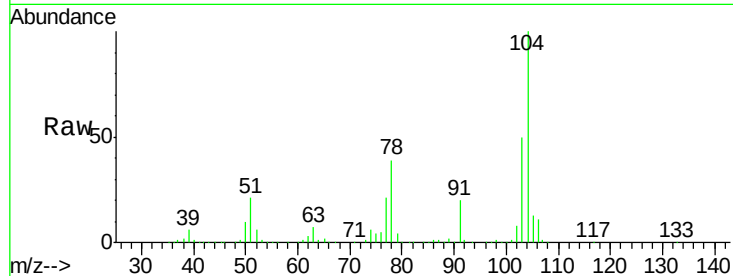
#70
Stvrene
Concen: 46.230 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	416346		
78	44.7		42.1	63.1
103	55.0		44.1	66.1

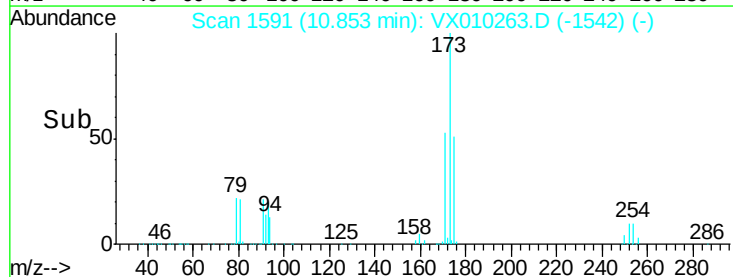
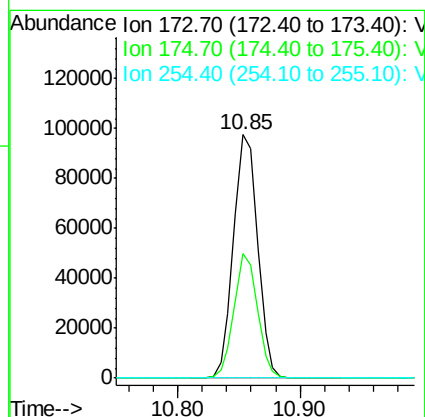
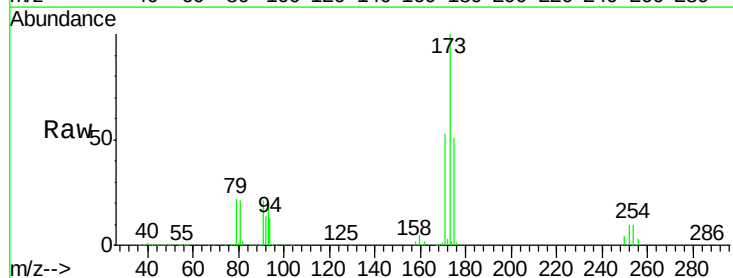
Manual Integrations
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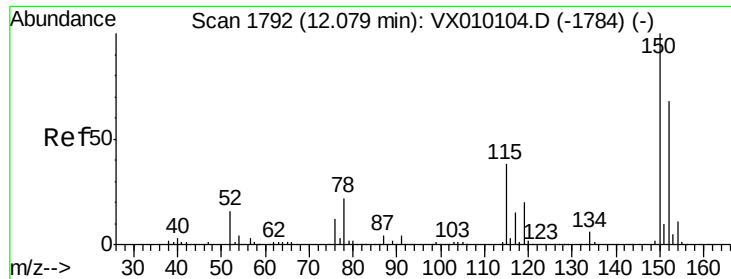
MMDadoda
6/13/2019 9:17:47 AM



#71
Bromoform
Concen: 46.382 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	133153		
175	49.3		25.0	75.0
254	0.2		0.2	0.2





#72

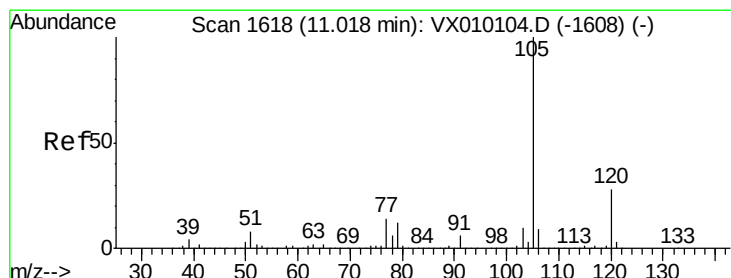
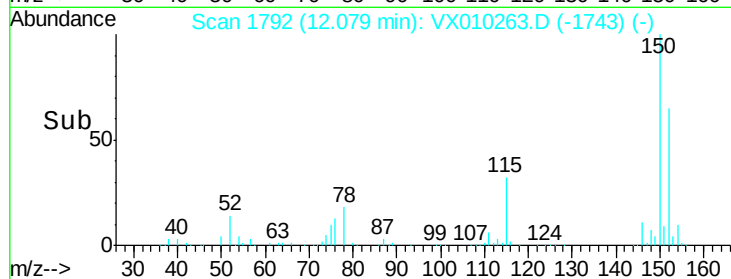
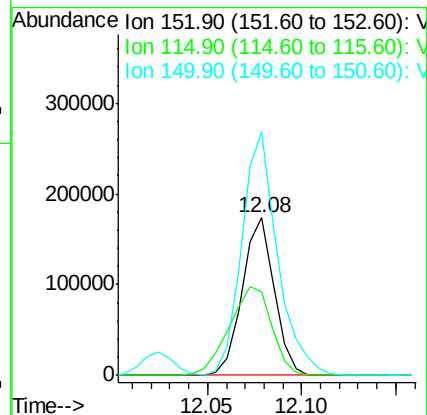
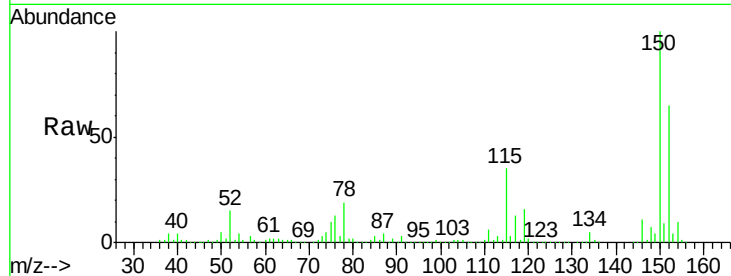
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	204557		
115	74.7	41.4	124.2	
150	172.4	0.0	345.2	

Manual Integrations
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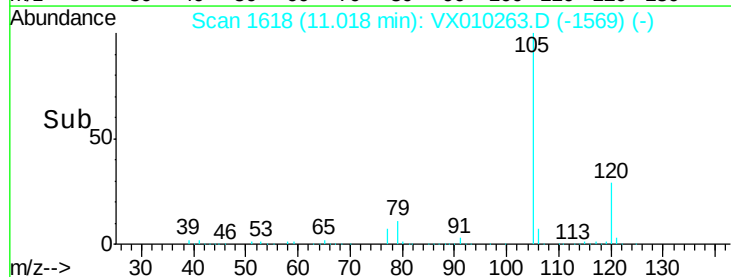
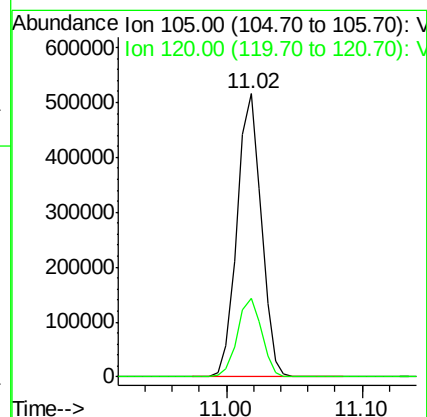
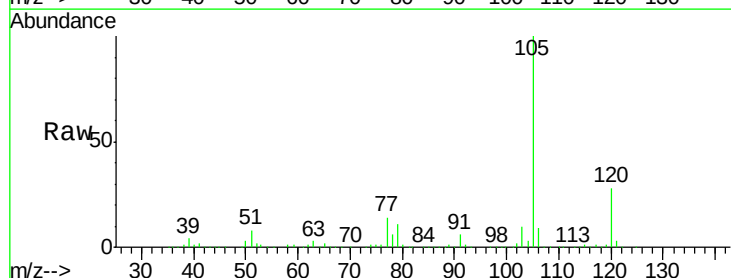
MMDadoda
6/13/2019 9:17:47 AM

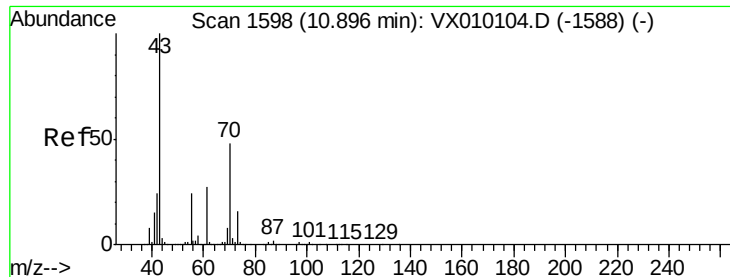


#73

Isopropylbenzene
Concen: 44.890 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	641010		
120	28.1	12.8	38.4	





#74

N-amvl acetate

Concen: 46.145 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

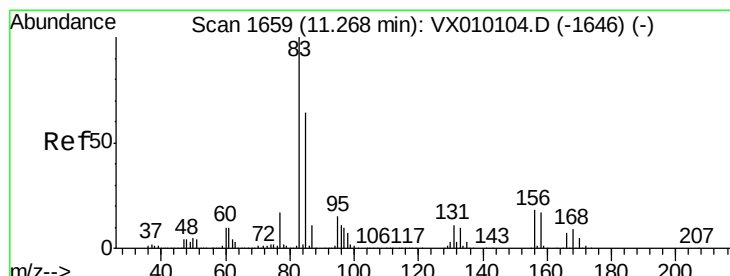
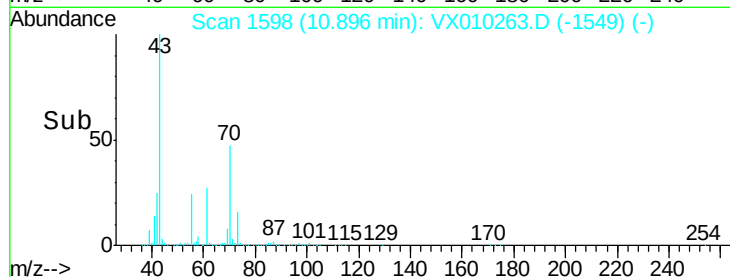
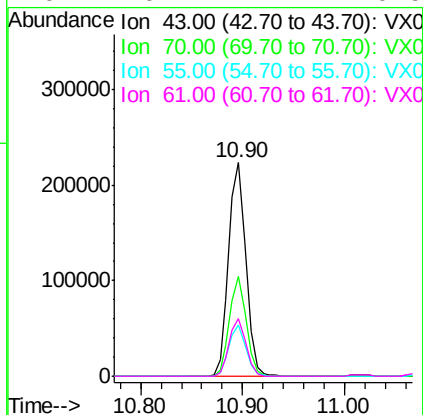
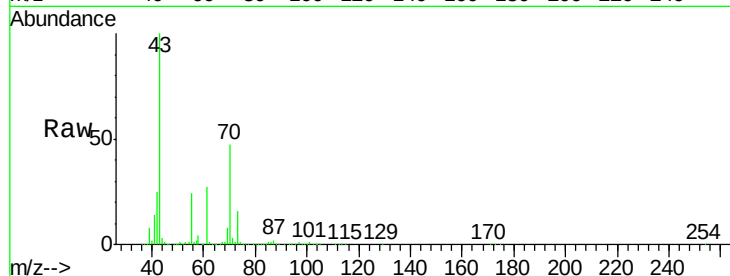
SS043MW010-190611MS

Tot Ion: 43 Resp: 260474

Ion	Ratio	Lower	Upper
43	100		
70	45.7	28.6	43.0#
55	23.9	17.8	26.8
61	26.4	17.7	26.5

Manual Integrations
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6/13/2019 9:17:47 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 46.866 ug/l

RT: 11.27 min Scan# 1659

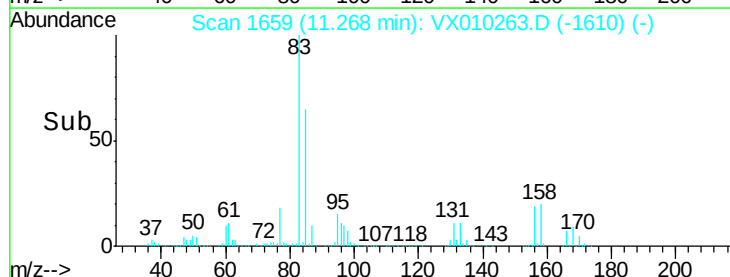
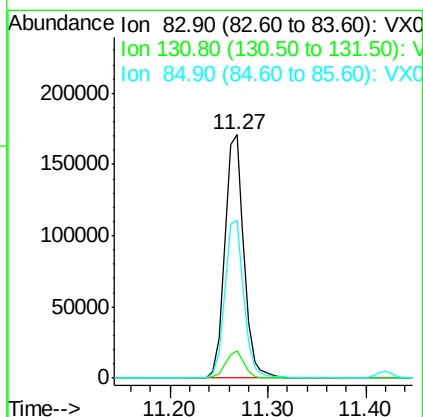
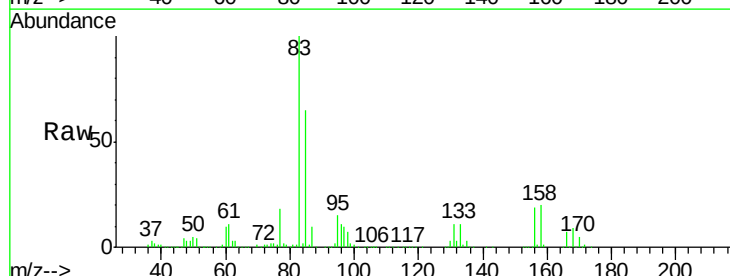
Delta R.T. -0.00 min

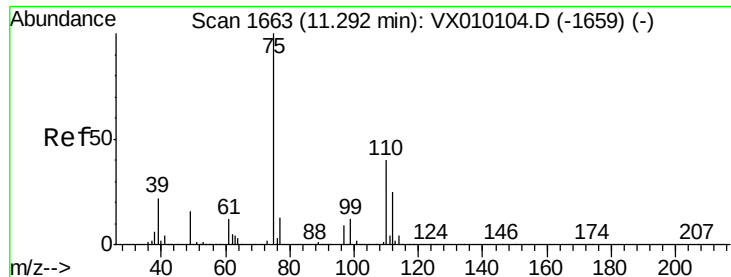
Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Tgt Ion: 83 Resp: 229081

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.7	14.1
85	65.2	31.9	95.9





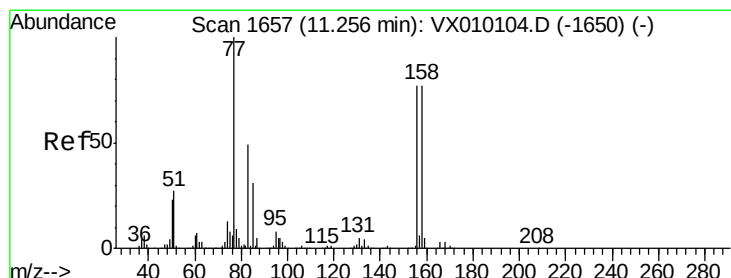
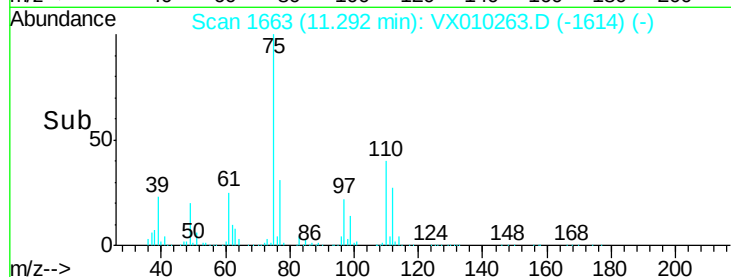
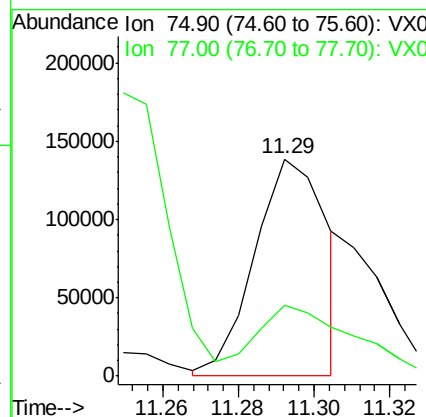
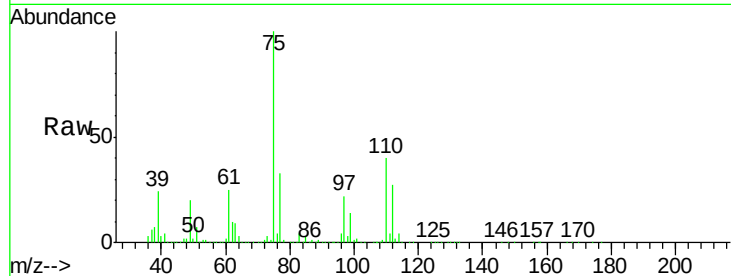
#76
 1,2,3-Trichloropropane
 Concen: 44.927 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion: 75 Resp: 183820
 Ion Ratio Lower Upper
 75 100
 77 44.3 22.1 66.1

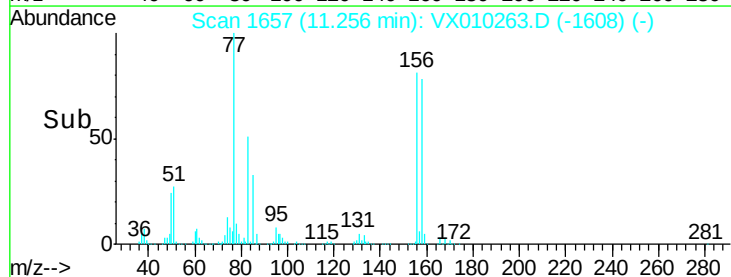
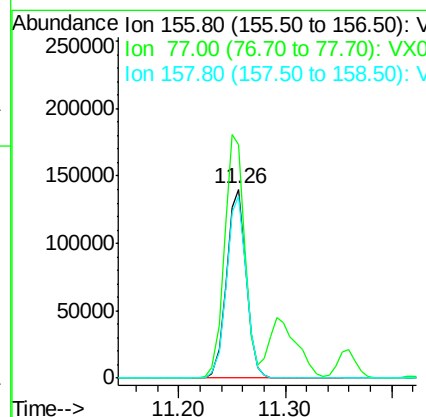
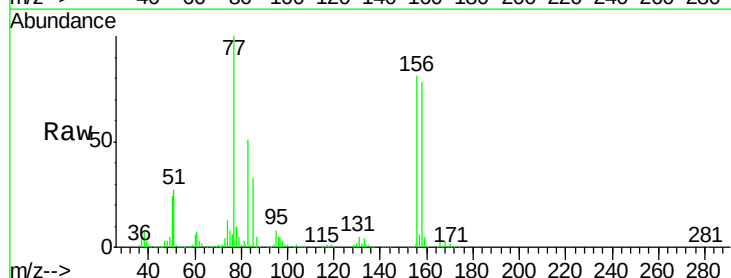
Manual Integrations
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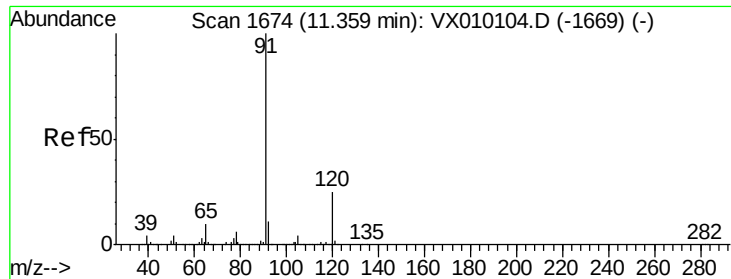
MMDadoda
 6/13/2019 9:17:47 AM



#77
 Bromobenzene
 Concen: 45.795 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion: 156 Resp: 179828
 Ion Ratio Lower Upper
 156 100
 77 132.8 86.8 260.3
 158 97.6 49.6 148.8





#78

n-propylbenzene

Concen: 44.740 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 91 Resp: 711233

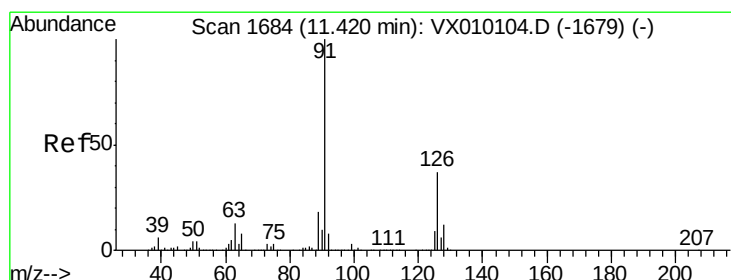
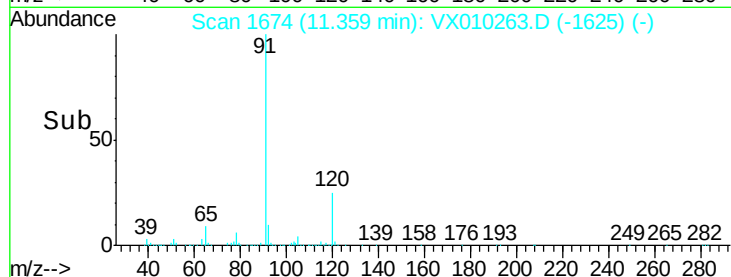
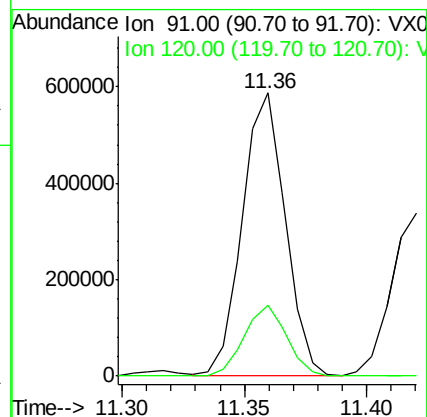
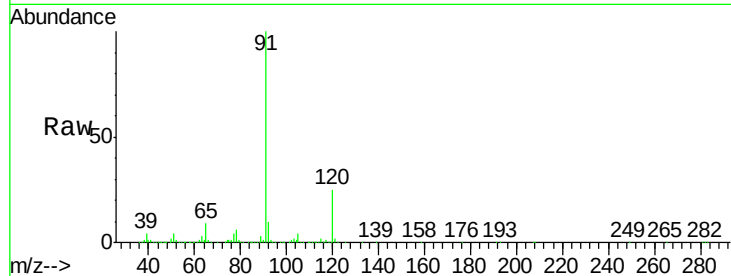
Ion Ratio Lower Upper

91 100

120 25.0 11.1 33.3

Manual Integrations
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MMDadoda
6/13/2019 9:17:47 AM



#79

2-Chlorotoluene

Concen: 44.481 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010263.D

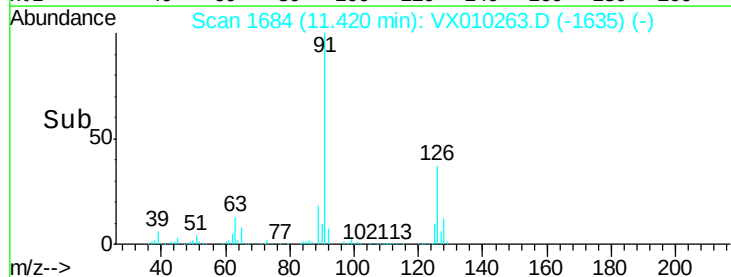
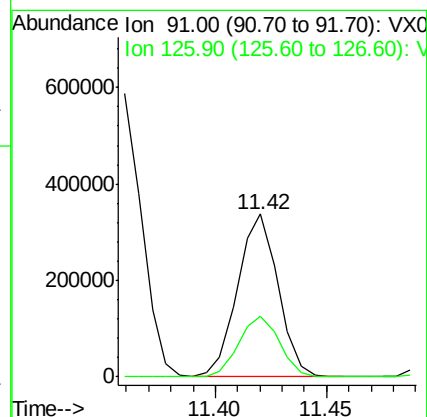
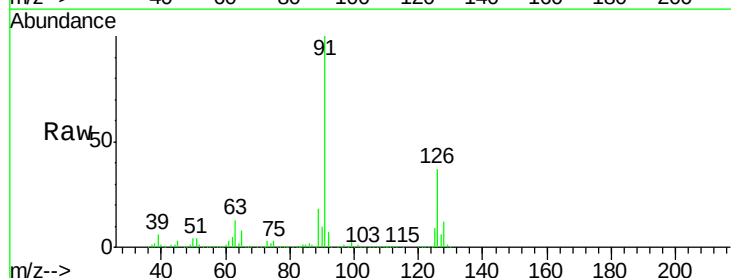
Acq: 12 Jun 2019 20:05

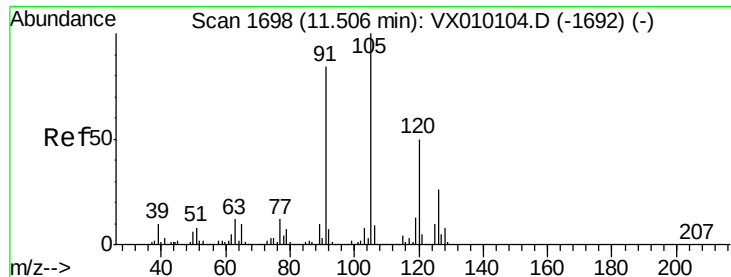
Tgt Ion: 91 Resp: 424694

Ion Ratio Lower Upper

91 100

126 38.0 16.1 48.3





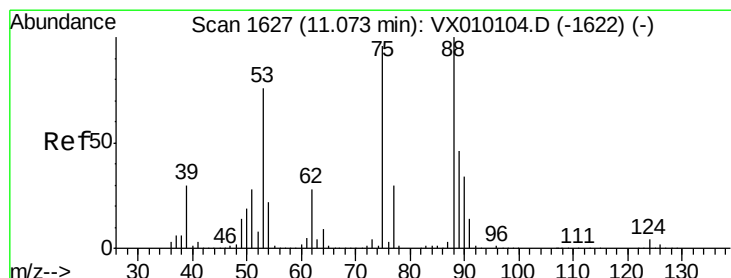
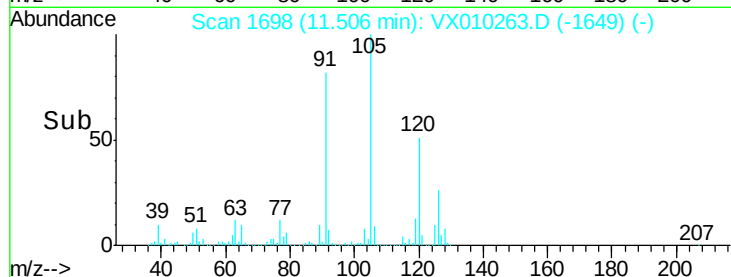
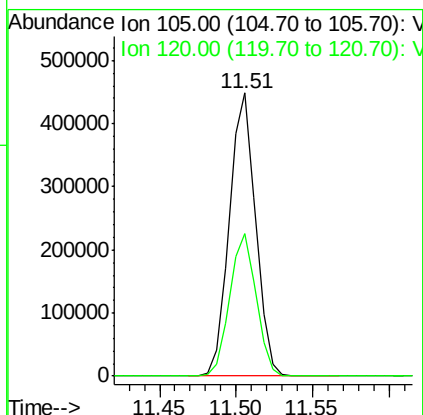
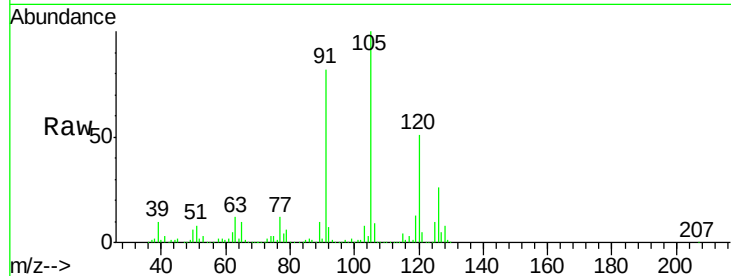
#80
 1,3,5-Trimethylbenzene
 Concen: 44.279 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion: 105 Resp: 532546
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.1 72.3

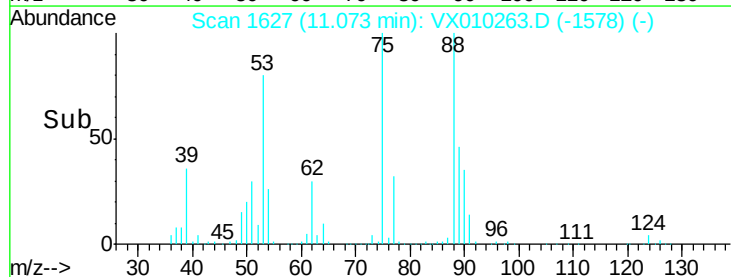
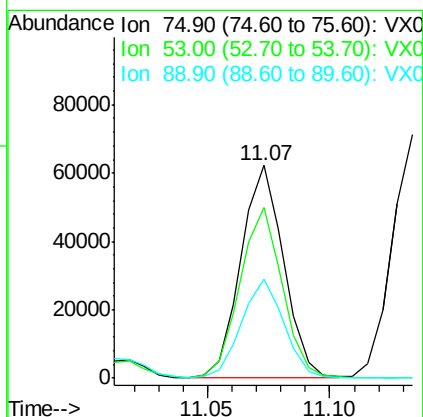
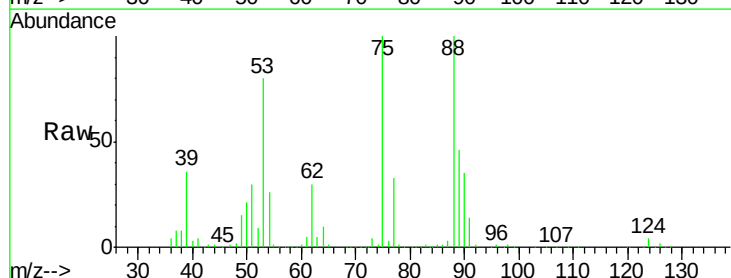
Manual Integrations
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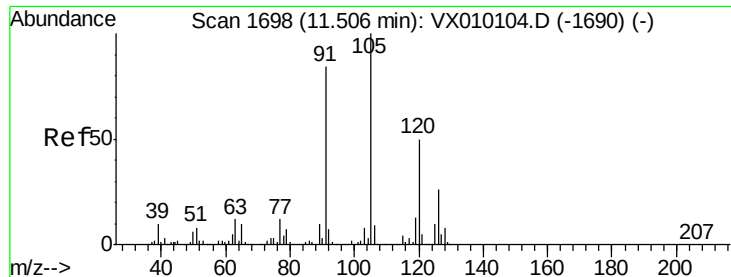
MMDadoda
 6/13/2019 9:17:47 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.682 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion: 75 Resp: 75337
 Ion Ratio Lower Upper
 75 100
 53 79.6 79.8 119.6#
 89 46.7 34.2 51.4





#82

4-Chlorotoluene

Concen: 44.137 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion: 91 Resp: 478705

Ion Ratio Lower Upper

91 100

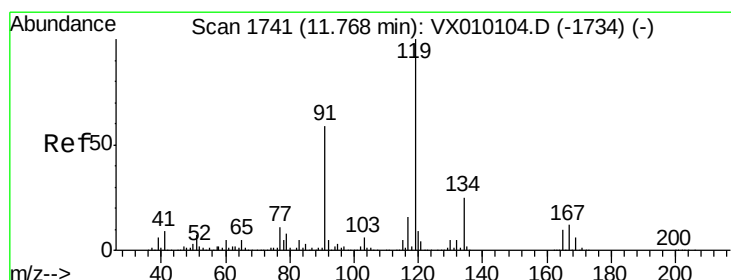
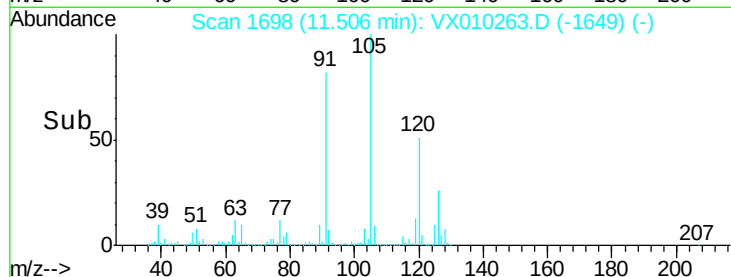
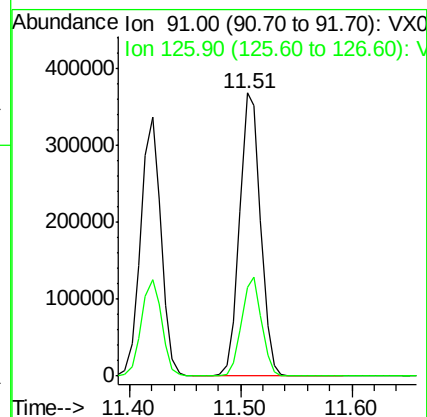
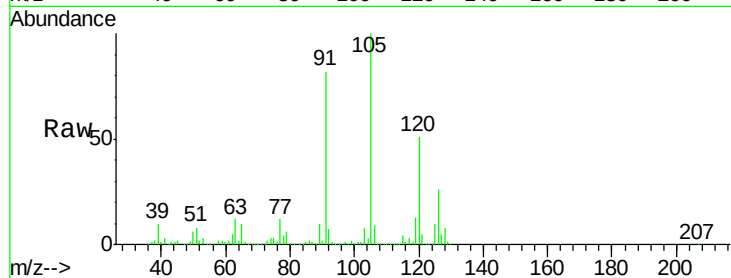
126 33.7 14.2 42.6

Manual Integrations

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#83

tert-Butylbenzene

Concen: 45.132 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

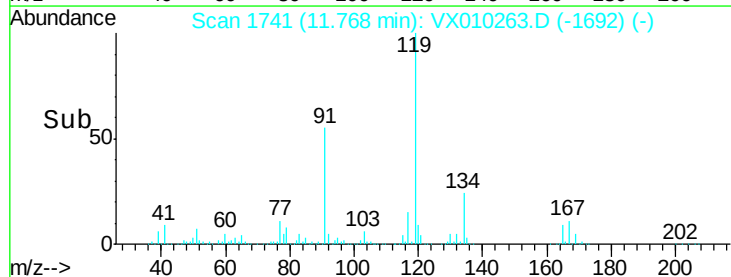
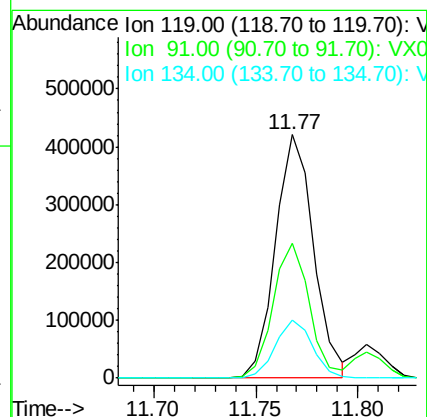
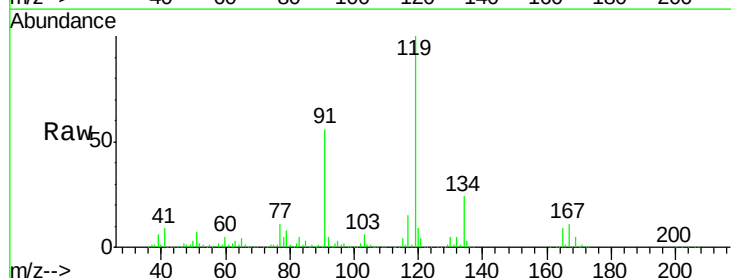
Tgt Ion: 119 Resp: 549394

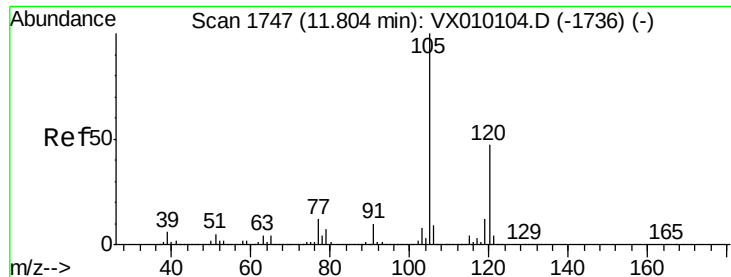
Ion Ratio Lower Upper

119 100

91 53.1 30.0 90.0

134 23.1 11.2 33.5





#84

1,2,4-Trimethylbenzene

Concen: 45.032 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010263.D

Acq: 12 Jun 2019 20:05

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MS

Tot Ion:105 Resp: 547066

Ion Ratio Lower Upper

105 100

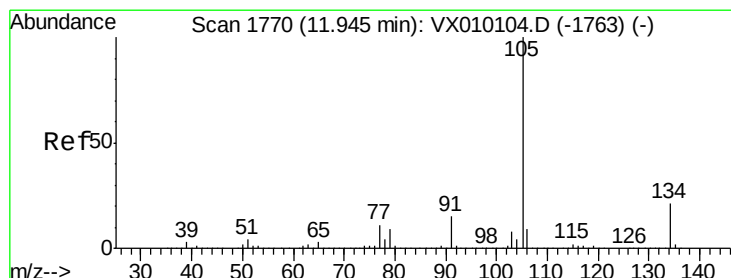
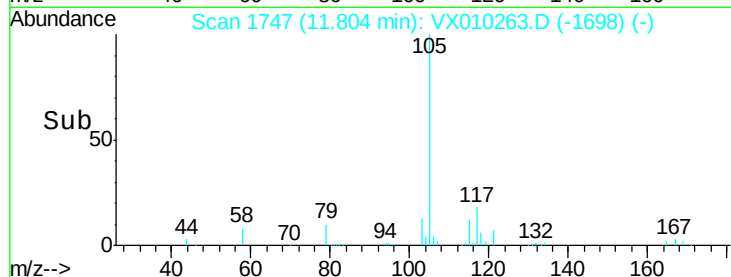
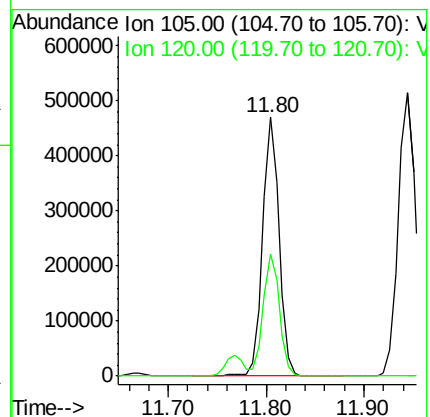
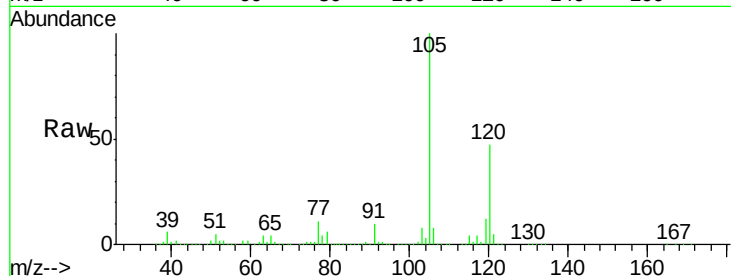
120 47.2 22.1 66.1

Manual Integrations

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#85

sec-Butylbenzene

Concen: 44.647 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010263.D

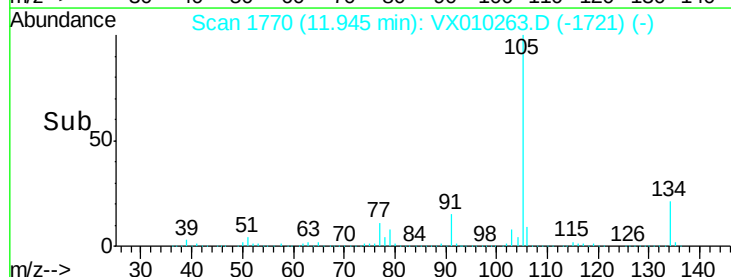
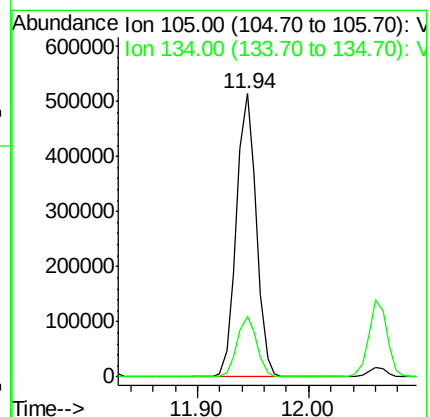
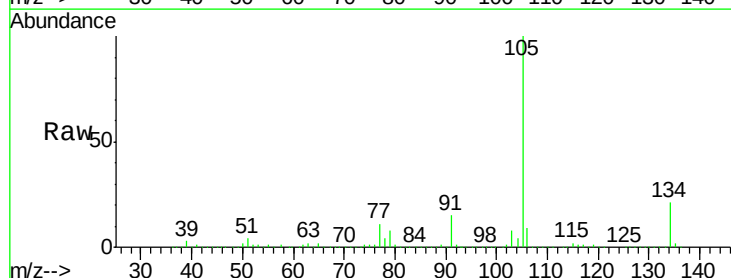
Acq: 12 Jun 2019 20:05

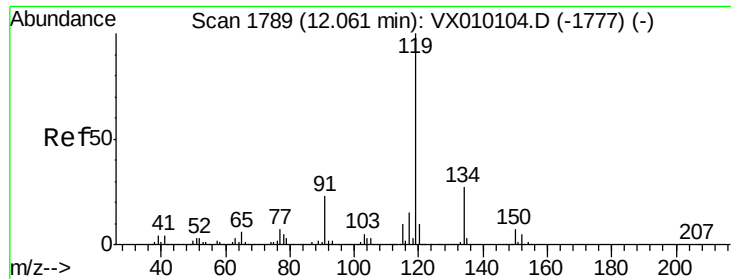
Tgt Ion:105 Resp: 633187

Ion Ratio Lower Upper

105 100

134 21.3 9.7 28.9





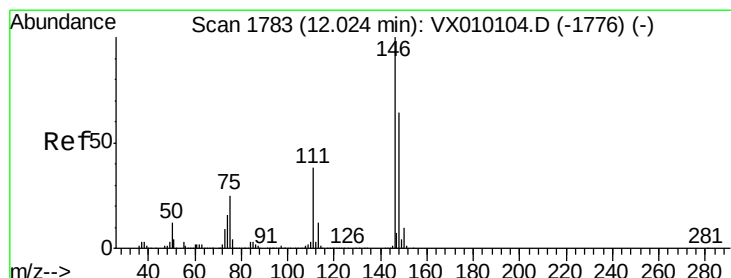
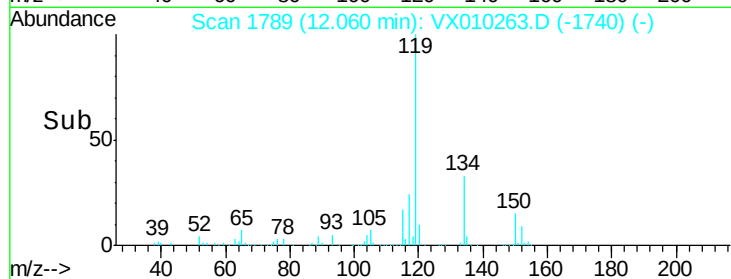
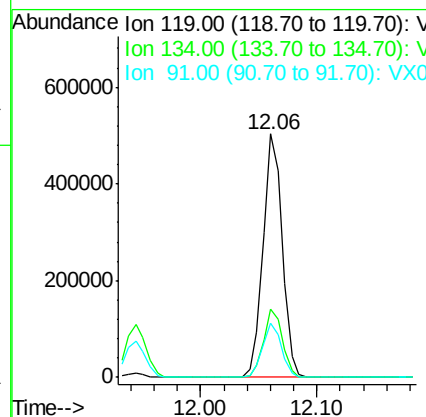
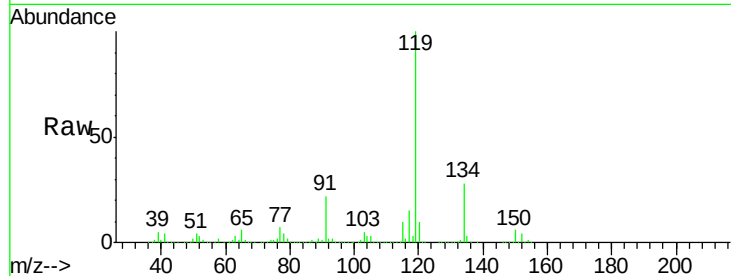
#86
 p-Isopropyltoluene
 Concen: 44.960 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	582915		
134	27.7		12.9	38.6
91	22.1		11.9	35.9

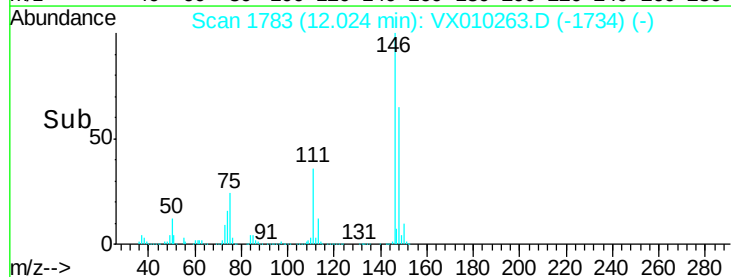
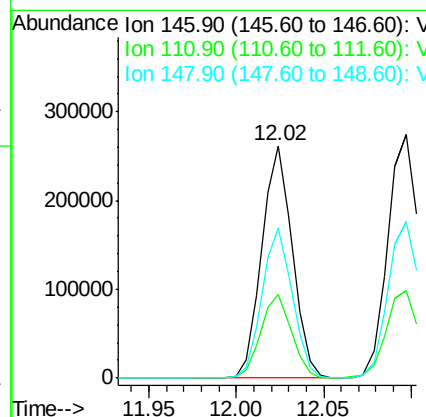
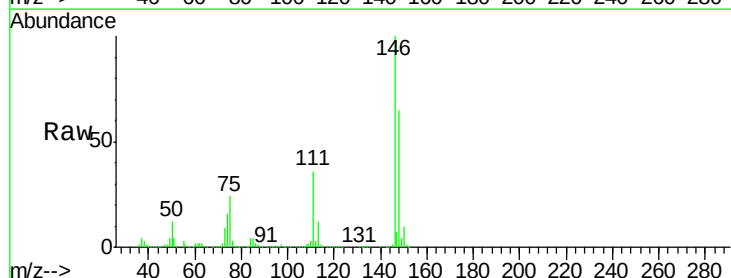
Manual Integrations
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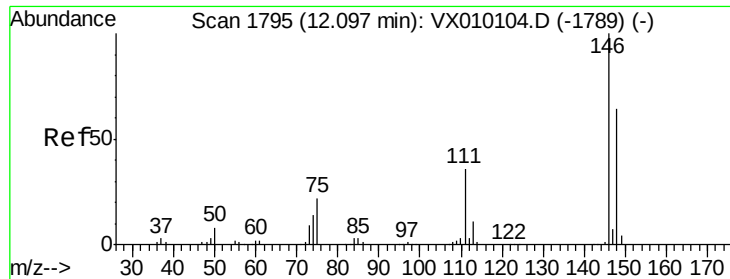
MMDadoda
 6/13/2019 9:17:47 AM



#87
 1,3-Dichlorobenzene
 Concen: 45.941 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	317760		
111	36.6		20.1	60.2
148	64.0		31.9	95.5





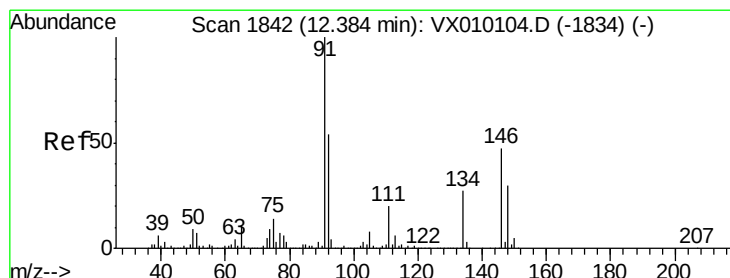
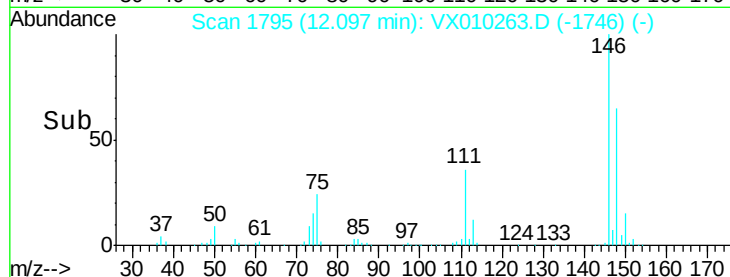
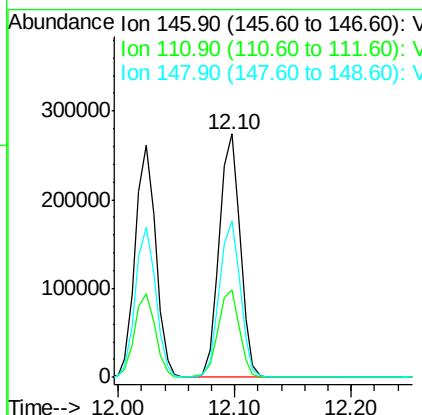
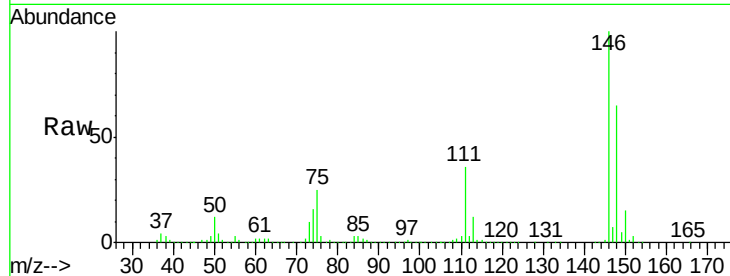
#88
 1,4-Dichlorobenzene
 Concen: 48.675 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	20.0	59.9
148	64.4	32.3	96.9

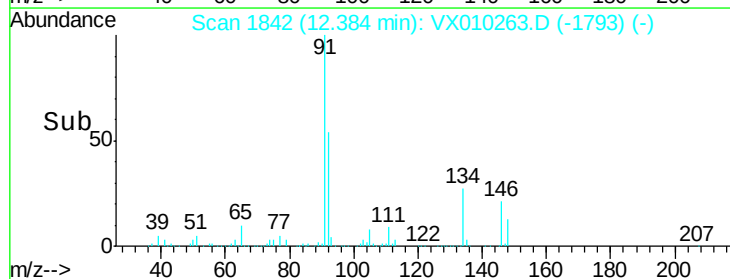
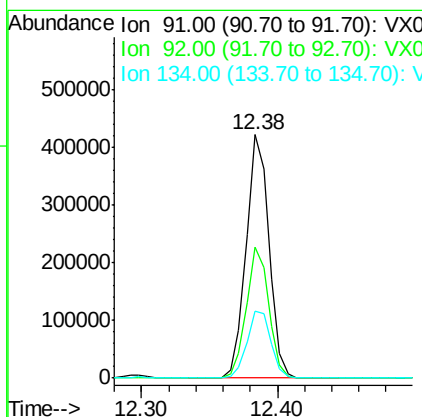
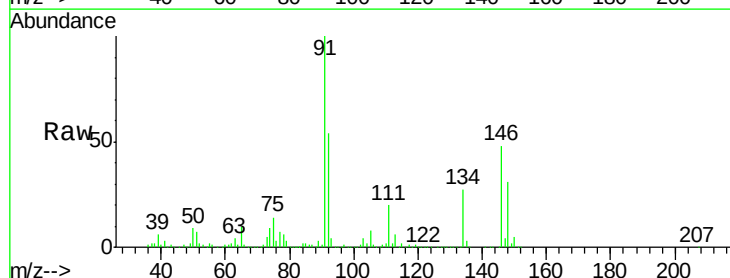
Manual Integrations
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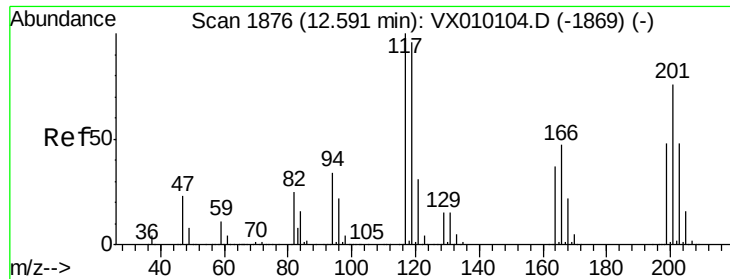
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#89
 n-Butylbenzene
 Concen: 44.405 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.8
134	28.6	12.3	36.8





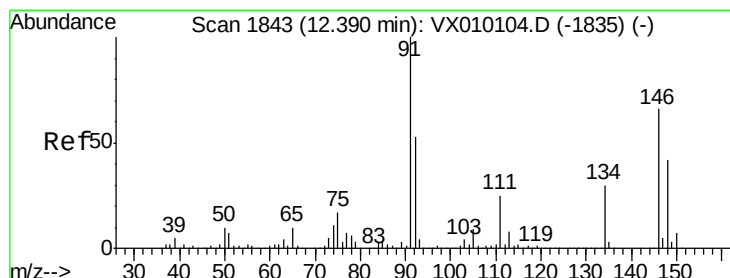
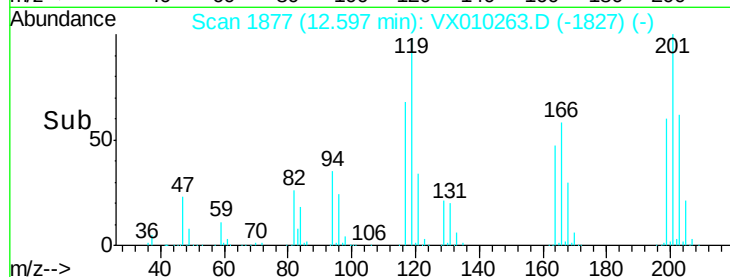
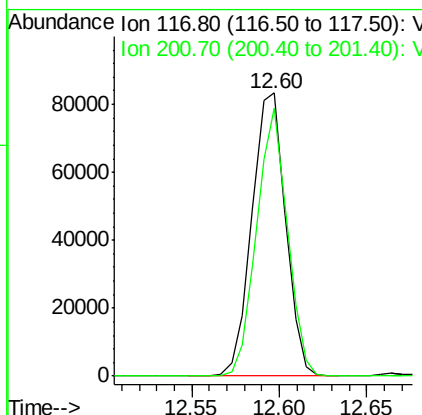
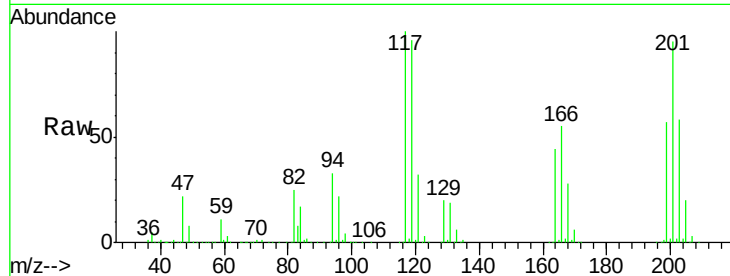
#90
Hexachloroethane
Concen: 43.293 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	111812		
201	86.3	43.6	130.9	

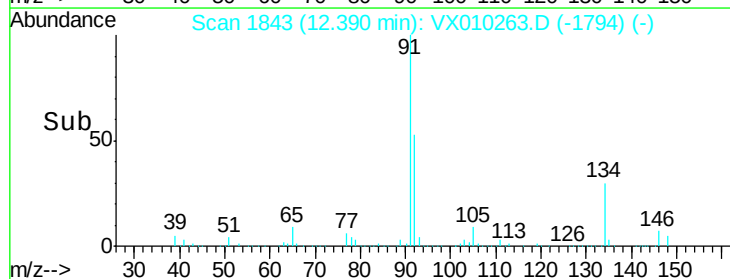
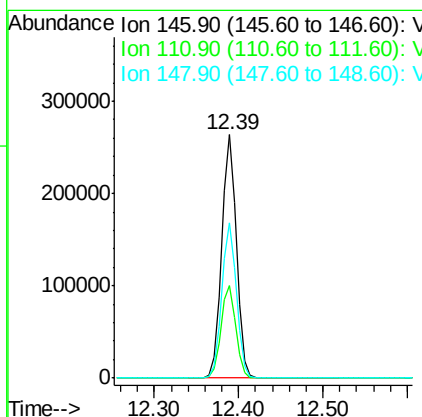
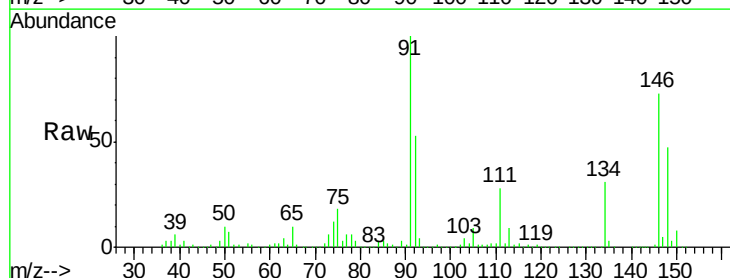
Manual Integrations
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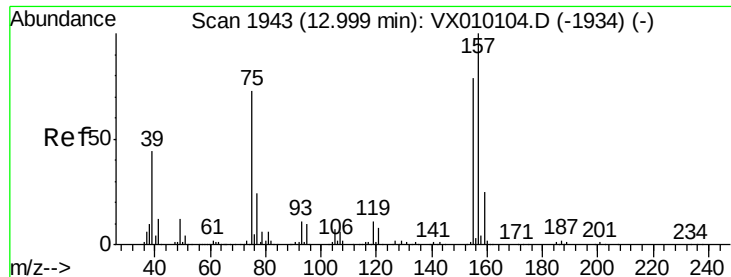
MMDadoda
6/13/2019 9:17:47 AM



#91
1,2-Dichlorobenzene
Concen: 47.651 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	320417		
111	38.2	21.1	63.1	
148	63.7	32.3	96.8	





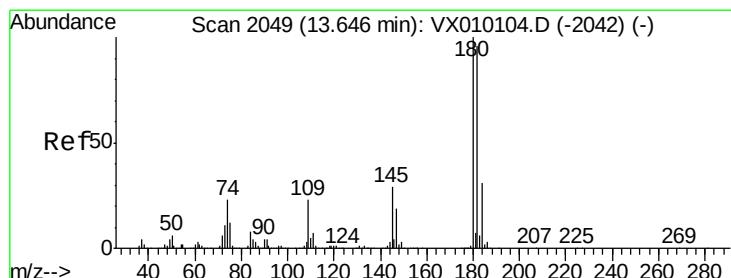
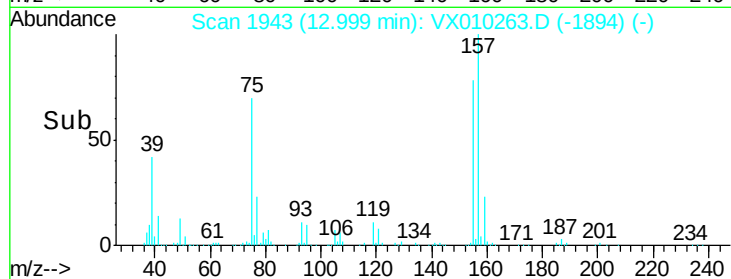
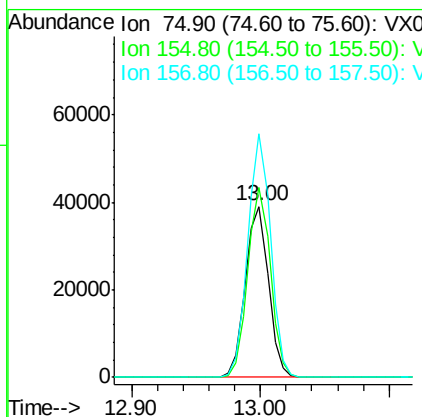
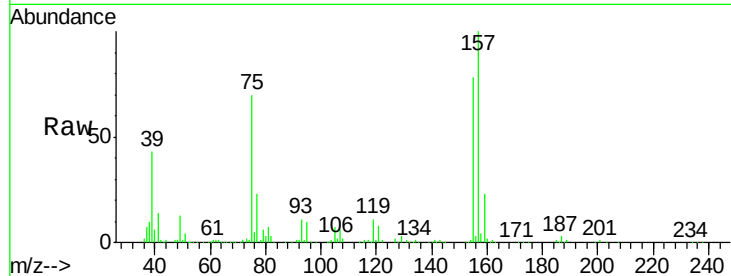
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.041 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	108.3	39.3	117.8
157	138.9	50.6	151.8

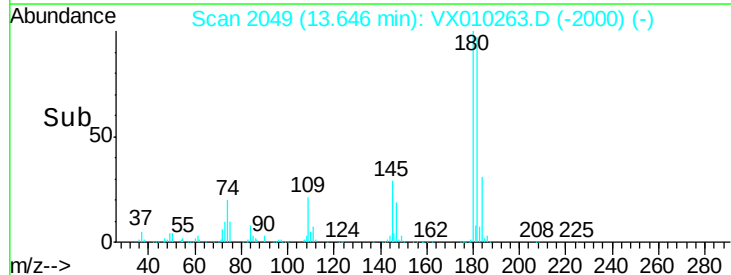
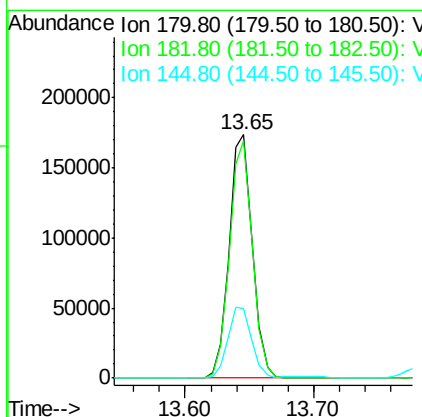
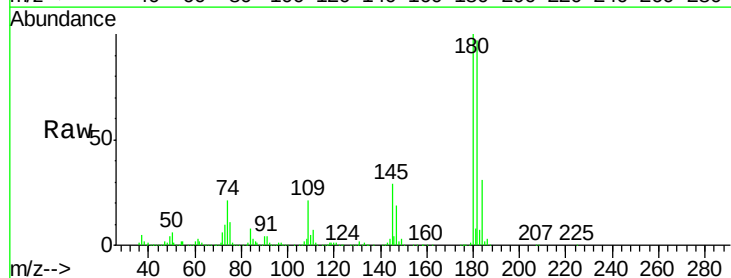
Manual Integrations
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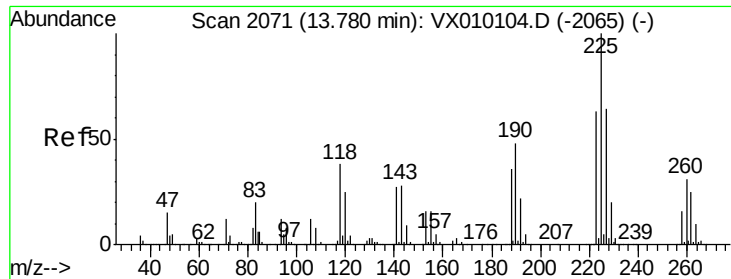
MMDadoda
 6/13/2019 9:17:47 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 44.517 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.2
145	29.9	14.5	43.5





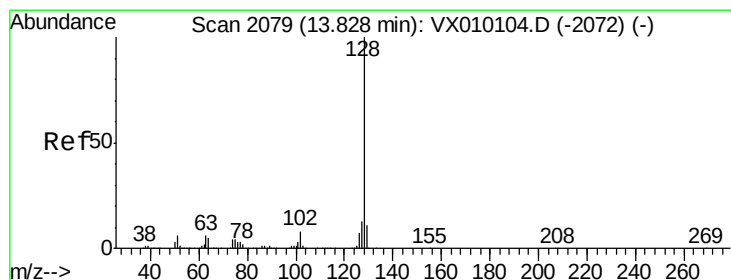
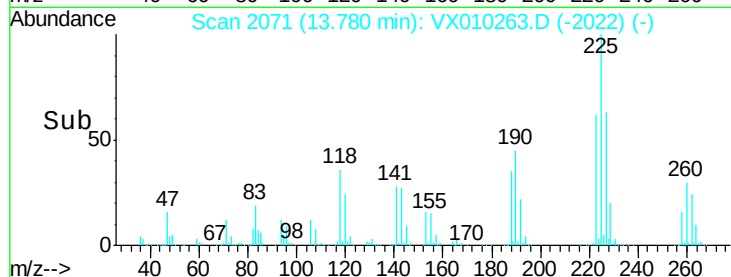
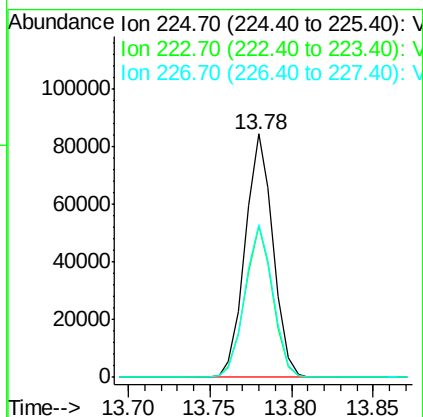
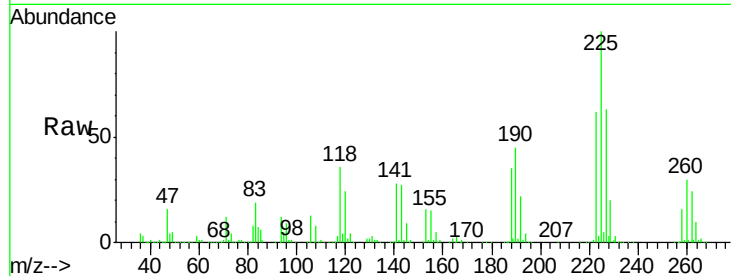
#94
Hexachlorobutadiene
Concen: 45.898 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MS

Tot Ion	Ratio	Resp	Lower	Upper
225	100	100472		
223	61.7		31.3	93.8
227	63.0		32.3	96.8

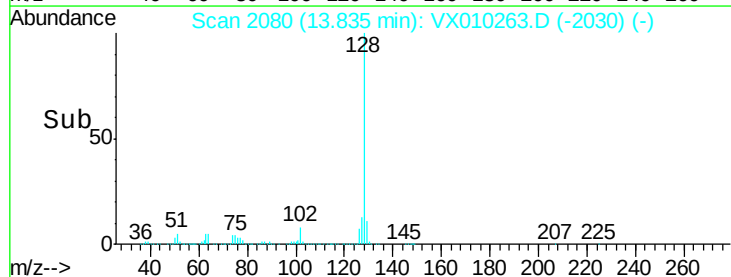
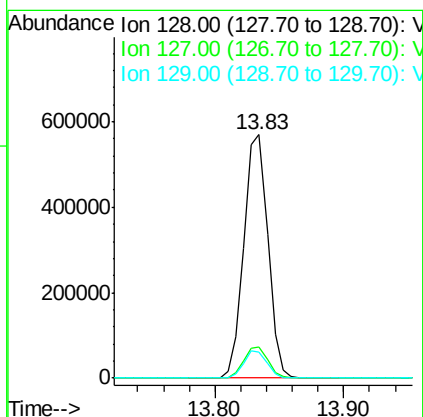
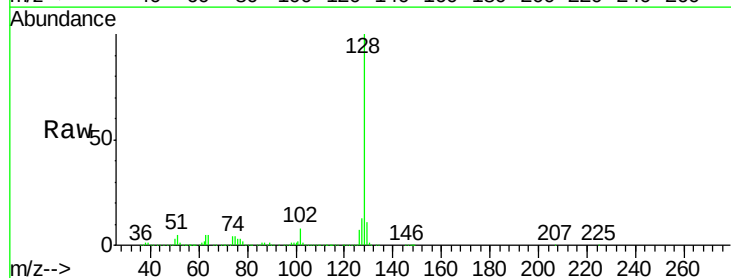
Manual Integrations
APPROVED

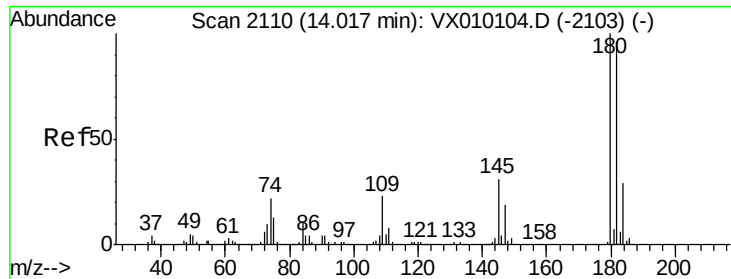
MMDadoda
6/13/2019 9:17:47 AM



#95
Naphthalene
Concen: 47.311 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX010263.D
Acq: 12 Jun 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	733049		
127	12.8		10.6	16.0
129	11.1		8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 45.562 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX010263.D
 Acq: 12 Jun 2019 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	97.2	47.3	142.0
145	32.4	15.6	46.7

Manual Integrations
 APPROVED

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 6/13/2019 9:17:47 AM

