

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008768.D
 Acq On : 21 Feb 2019 13:04
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:25:32 PM

Quant Time: Feb 22 00:36:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:19:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	434272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	248362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	464183	161.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.10%	
35) Dibromofluoromethane	7.88	113	422333	154.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.54%	
50) Toluene-d8	10.32	98	1612283	152.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.12%	
62) 4-Bromofluorobenzene	12.62	95	632039	152.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	465154	151.600	ug/l	99
3) Chloromethane	2.21	50	564521	151.145	ug/l	99
4) Vinyl Chloride	2.35	62	665045	168.174	ug/l	100
5) Bromomethane	2.73	94	449712	153.108	ug/l	99
6) Chloroethane	2.90	64	412716	146.974	ug/l	99
7) Trichlorofluoromethane	3.24	101	787634	157.482	ug/l	97
8) Diethyl Ether	3.68	74	245339	154.943	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	480674	158.263	ug/l	100
10) Methyl Iodide	4.27	142	631556	166.289	ug/l	99
11) Tert butyl alcohol	5.17	59	197202	790.244	ug/l	98
12) 1,1-Dichloroethene	4.03	96	426659	159.067	ug/l	97
13) Acrolein	3.89	56	215953	892.758	ug/l	100
14) Allyl chloride	4.67	41	759425	164.045	ug/l	98
15) Acrylonitrile	5.37	53	541303	796.563	ug/l	99
16) Acetone	4.12	43	514945	773.191	ug/l	97
17) Carbon Disulfide	4.37	76	1443873	162.243	ug/l	98
18) Methyl Acetate	4.67	43	239604	151.679	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	1146435	157.909	ug/l	99
20) Methylene Chloride	4.92	84	459269	116.962	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	482477	155.502	ug/l	97
22) Diisopropyl ether	6.31	45	1463039	158.427	ug/l	98
23) Vinyl Acetate	6.26	43	4794481	840.288	ug/l	99
24) 1,1-Dichloroethane	6.21	63	843595	157.642	ug/l	100
25) 2-Butanone	7.17	43	762157	818.545	ug/l	98
26) 2,2-Dichloropropane	7.16	77	766306	157.730	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	522837	157.531	ug/l	99
28) Bromochloromethane	7.51	49	351570	156.996	ug/l	97
29) Tetrahydrofuran	7.52	42	498275	839.736	ug/l	99
30) Chloroform	7.68	83	851895	155.177	ug/l	100
31) Cyclohexane	7.95	56	796394	147.023	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	792353	158.710	ug/l	99
36) 1,1-Dichloropropene	8.08	75	668496	150.615	ug/l	99
37) Ethyl Acetate	7.25	43	327373	158.613	ug/l	98
38) Carbon Tetrachloride	8.07	117	718702	153.544	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	864177	156.097	ug/l	99
40) Benzene	8.32	78	1775229	146.491	ug/l	99
41) Methacrylonitrile	7.48	41	197064	162.431	ug/l	93
42) 1,2-Dichloroethane	8.40	62	585516	152.526	ug/l	100
43) Isopropyl Acetate	8.43	43	653932	158.748	ug/l	98
44) Trichloroethene	9.09	130	504028	147.643	ug/l	100
45) 1,2-Dichloropropane	9.37	63	441449	147.415	ug/l	97
46) Dibromomethane	9.46	93	253742	152.332	ug/l	97
47) Bromodichloromethane	9.65	83	631164	155.738	ug/l	99
48) Methyl methacrylate	9.43	41	325799	165.137	ug/l	96
49) 1,4-Dioxane	9.45	88	82340	3086.801	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1692398	809.234	ug/l	100
52) Toluene	10.39	92	1224104	148.838	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	658081	159.312	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	732914	155.567	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	338175	149.703	ug/l	97
56) Ethyl methacrylate	10.65	69	478559	163.059	ug/l	97
57) 1,3-Dichloropropane	10.93	76	595542	149.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1143611	774.760	ug/l	98
59) 2-Hexanone	10.97	43	1228835	825.432	ug/l	100
60) Dibromochloromethane	11.13	129	426365	154.742	ug/l	99
61) 1,2-Dibromoethane	11.23	107	333539	149.166	ug/l	100
64) Tetrachloroethene	10.86	164	456126	146.731	ug/l	97
65) Chlorobenzene	11.66	112	1333999	146.088	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	472938	153.174	ug/l	99
67) Ethyl Benzene	11.73	91	2495676	152.884	ug/l	99
68) m/p-Xylenes	11.84	106	1974977	302.805	ug/l	99
69) o-Xylene	12.16	106	942973	154.034	ug/l	98
70) Styrene	12.18	104	1579477	160.368	ug/l	99
71) Bromoform	12.35	173	271984	163.879	ug/l #	100
73) Isopropylbenzene	12.46	105	2621553	153.971	ug/l	100
74) N-amyl acetate	12.27	43	722377	168.434	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	422549	151.886	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	300772m	139.976	ug/l	
77) Bromobenzene	12.75	156	577040	143.418	ug/l	96
78) n-propylbenzene	12.80	91	3213877	154.313	ug/l	99
79) 2-Chlorotoluene	12.90	91	1766470	149.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2313972	156.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	142767	169.260	ug/l	98
82) 4-Chlorotoluene	12.99	91	1895272	152.098	ug/l	99
83) tert-Butylbenzene	13.21	119	1954266	152.753	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2409679	157.327	ug/l	99
85) sec-Butylbenzene	13.38	105	2873043	156.177	ug/l	99
86) p-Isopropyltoluene	13.50	119	2744878	162.763	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1270407	152.185	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1204099	146.352	ug/l	99
89) n-Butylbenzene	13.83	91	2555177	161.728	ug/l	99
90) Hexachloroethane	14.10	117	446501	161.731	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1087792	146.247	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	78051	155.093	ug/l	95

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	808992	150.953	ug/l	98
94) Hexachlorobutadiene	15.24	225	475232	150.544	ug/l	100
95) Naphthalene	15.37	128	1468487	160.935	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	689775	148.860	ug/l	99

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

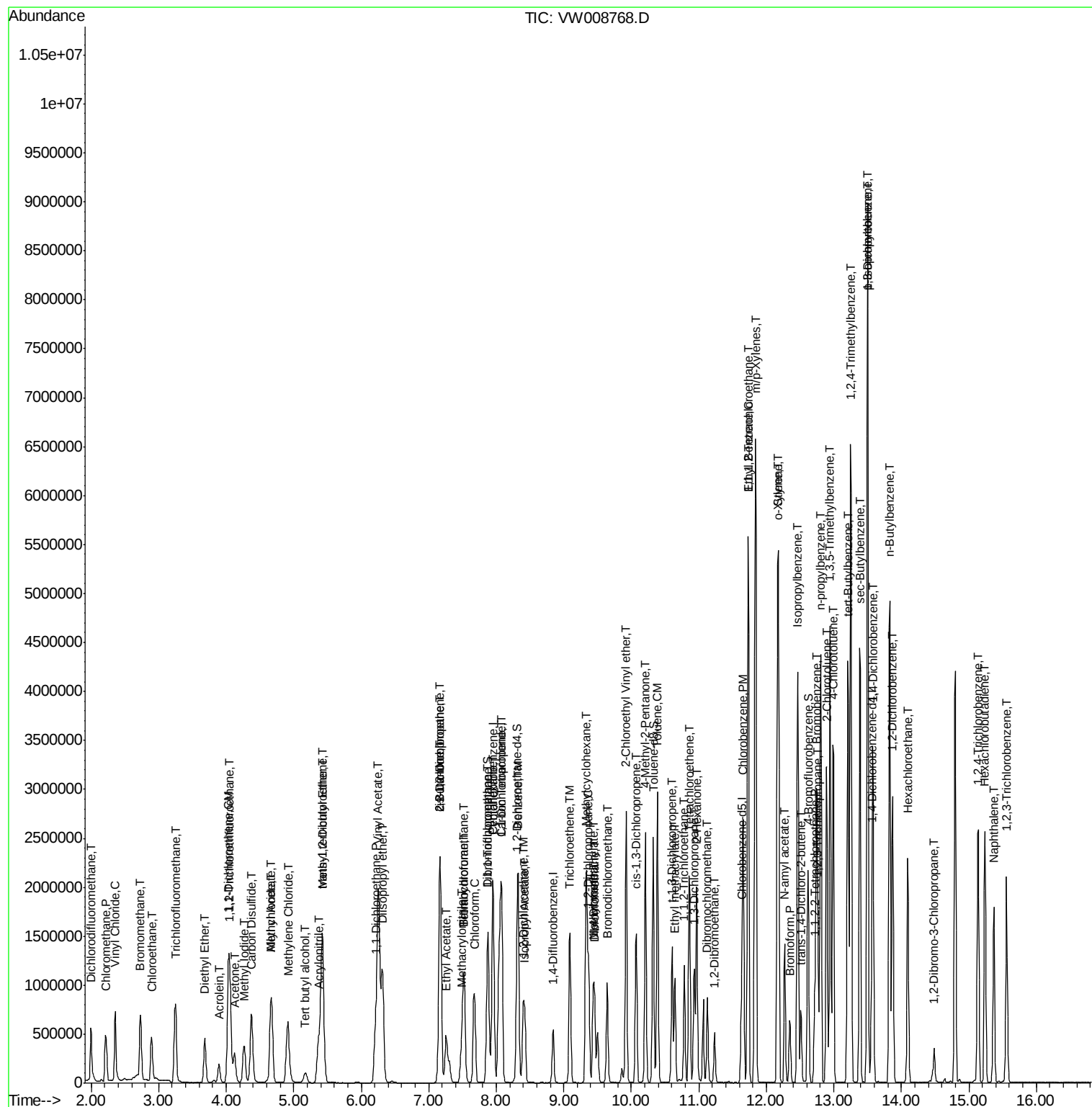
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022119\
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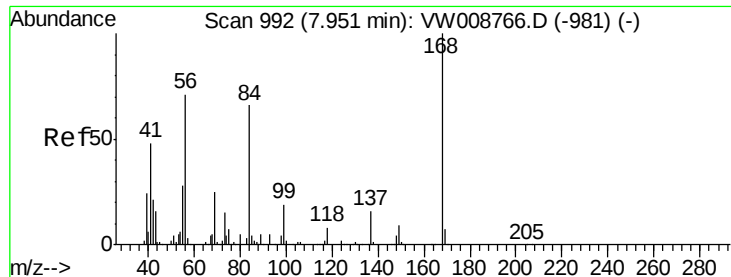
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 306348

Ion Ratio Lower Upper

168 100

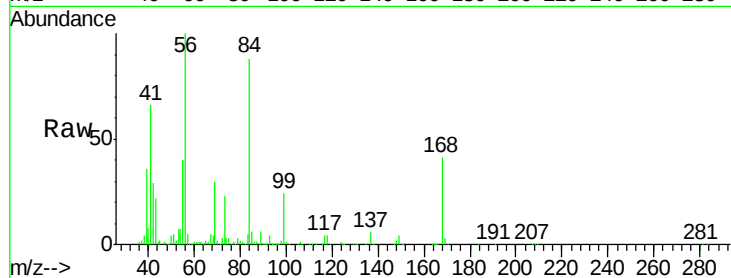
99 57.1 42.2 63.2

Manual Integrations

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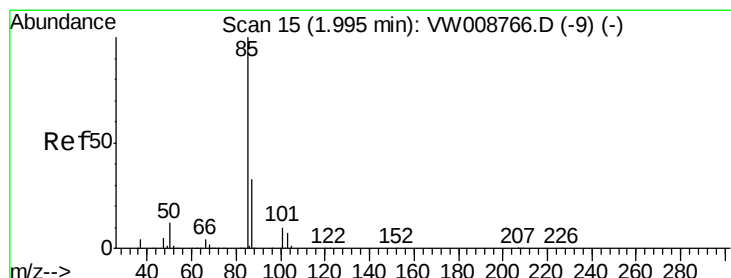
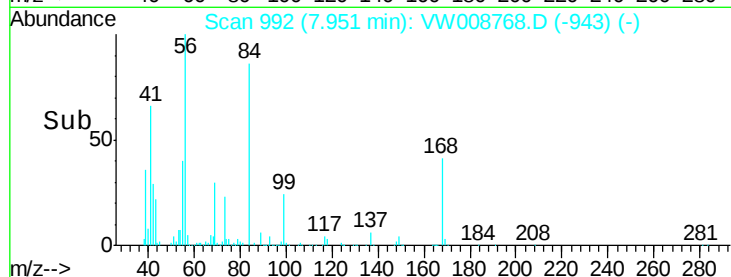
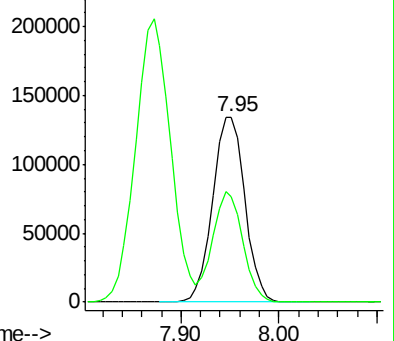
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 151.600 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008768.D

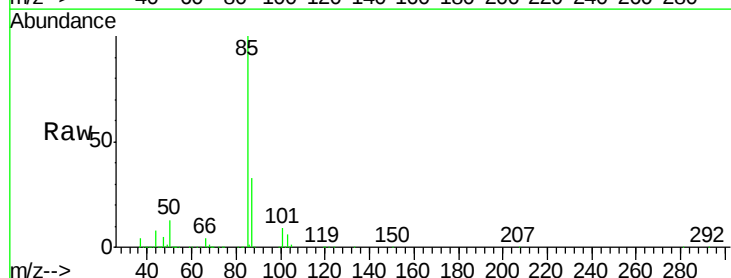
Acq: 21 Feb 2019 13:04

Tgt Ion: 85 Resp: 465154

Ion Ratio Lower Upper

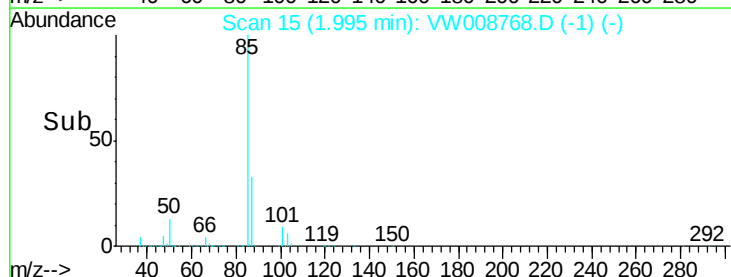
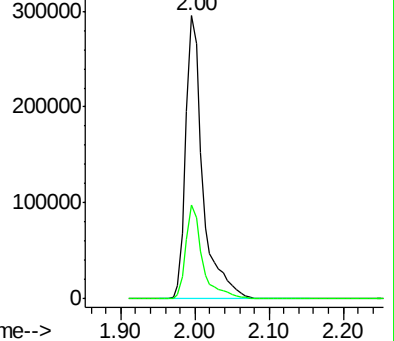
85 100

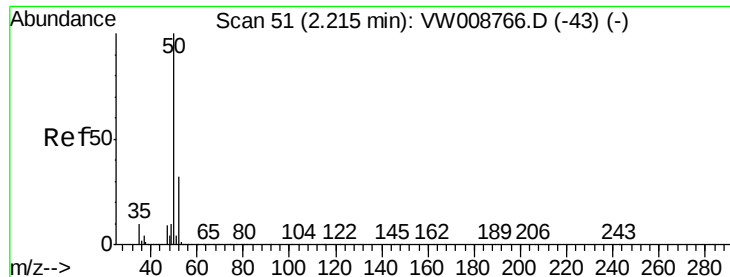
87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 151.145 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 564521

Ion Ratio Lower Upper

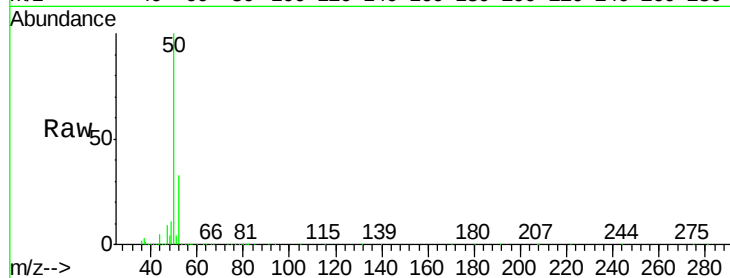
50 100

52 33.1 25.9 38.9

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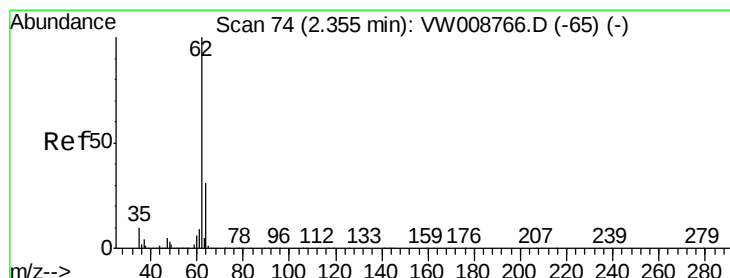
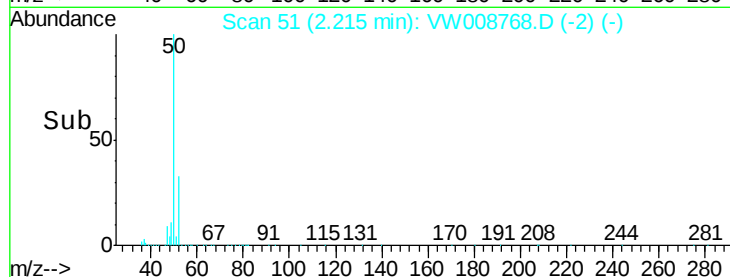
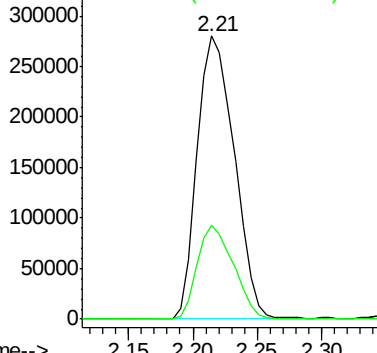
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 168.174 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008768.D

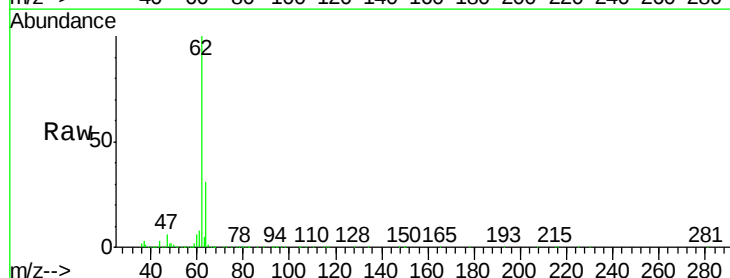
Acq: 21 Feb 2019 13:04

Tgt Ion: 62 Resp: 665045

Ion Ratio Lower Upper

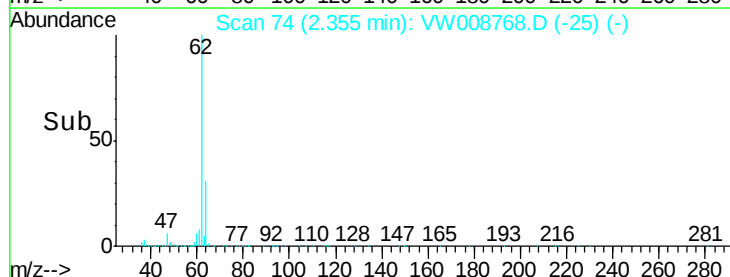
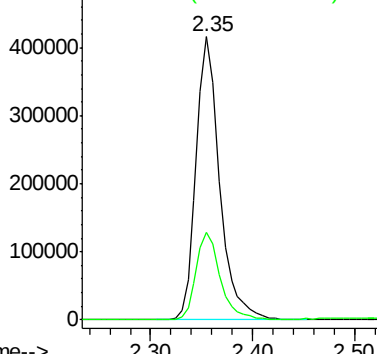
62 100

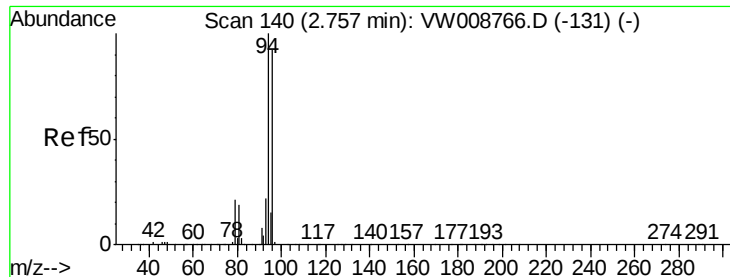
64 31.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 153.108 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.02 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampled :

VSTDICC150

Tot Ion: 94 Resp: 449712

Ion Ratio Lower Upper

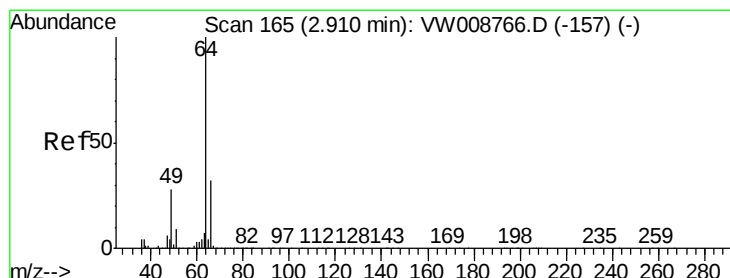
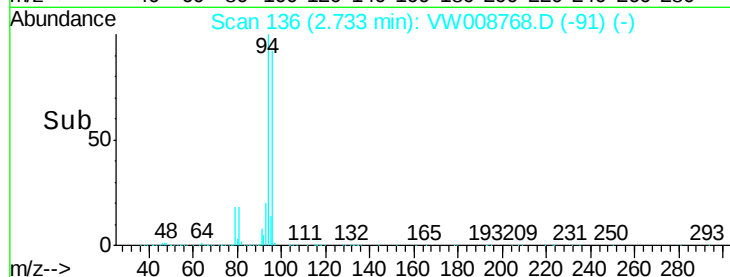
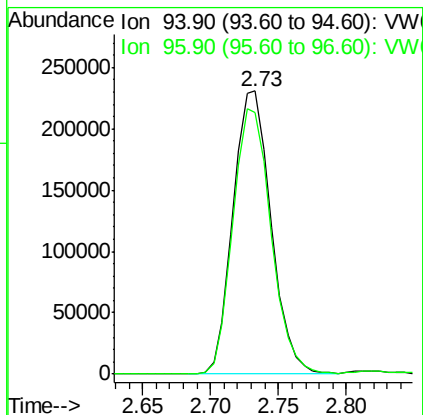
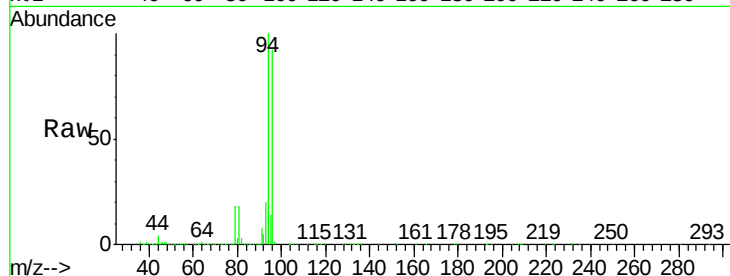
94 100

96 92.4 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 146.974 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW008768.D

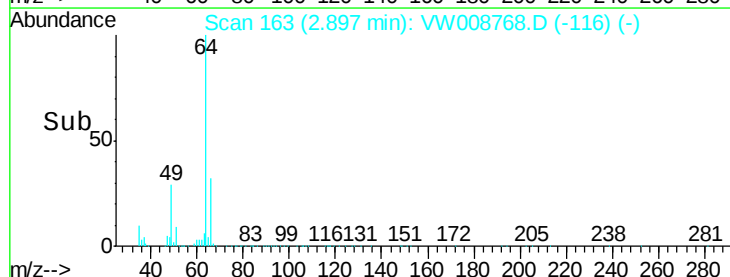
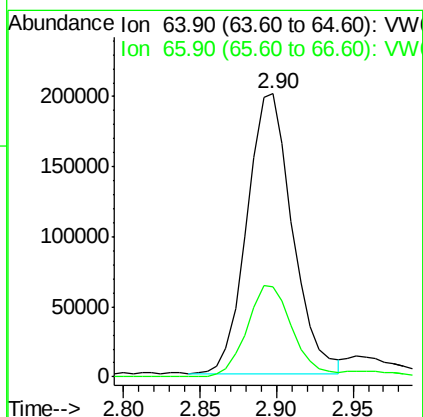
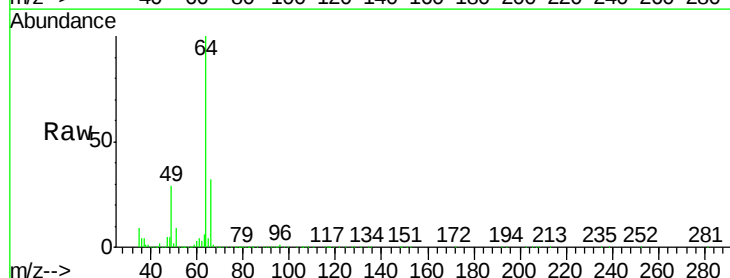
Acq: 21 Feb 2019 13:04

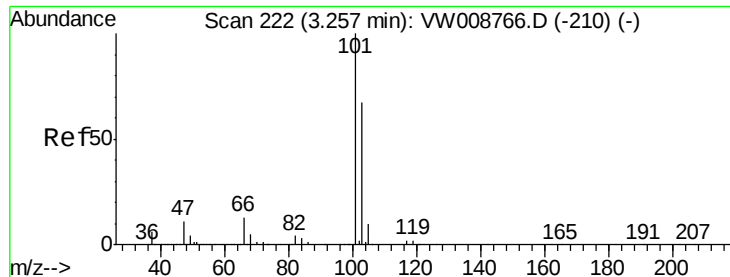
Tgt Ion: 64 Resp: 412716

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

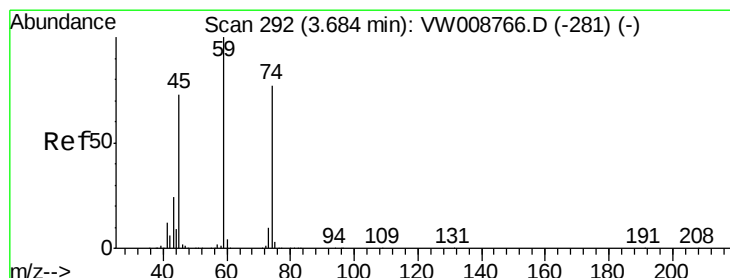
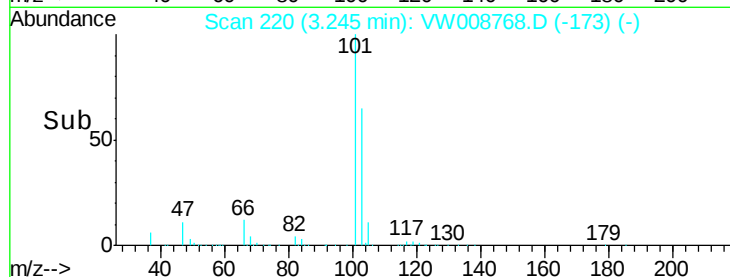
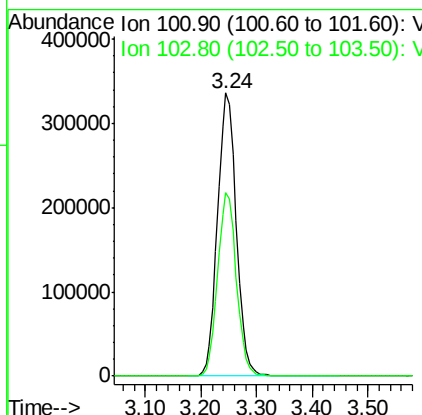
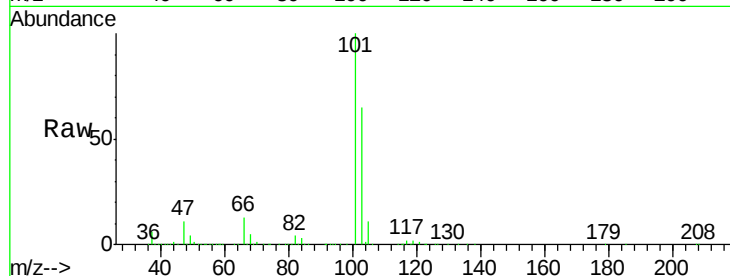
Trichlorofluoromethane
 Concen: 157.482 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.9	80.9

Manual Integrations
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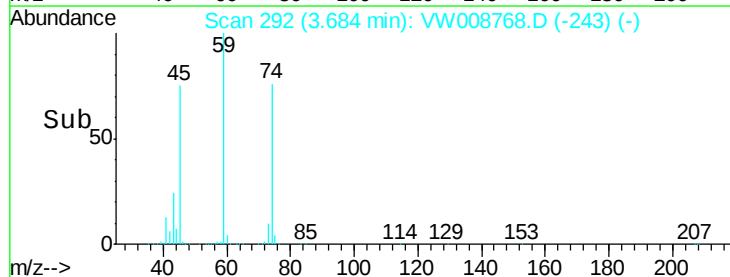
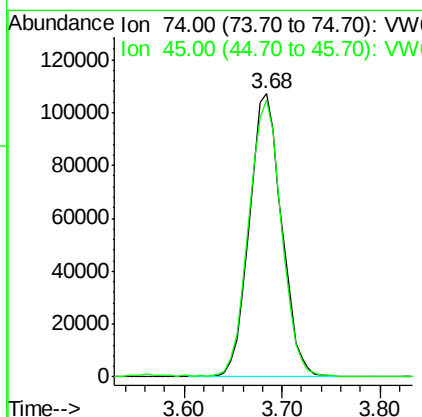
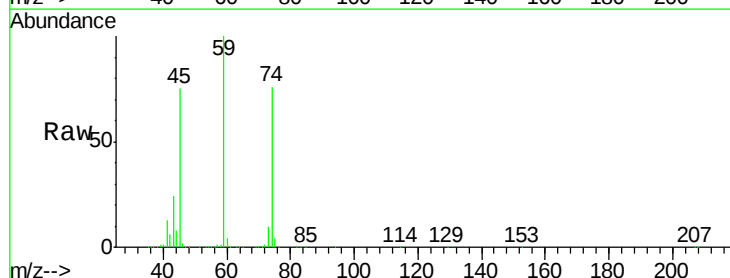
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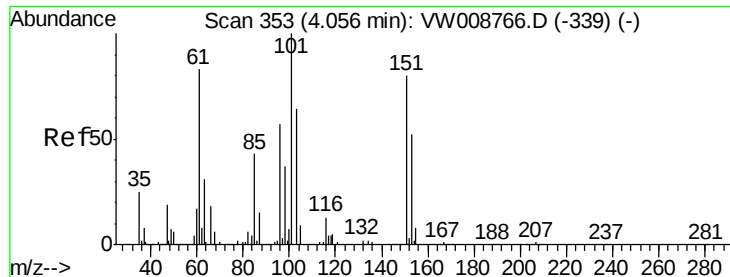


#8

Diethyl Ether
 Concen: 154.943 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 158.263 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

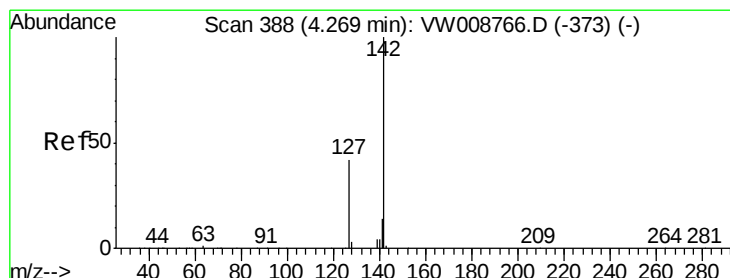
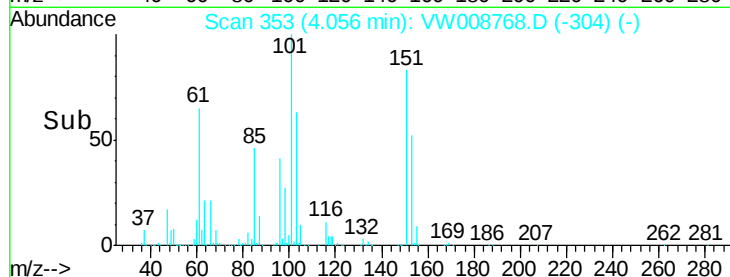
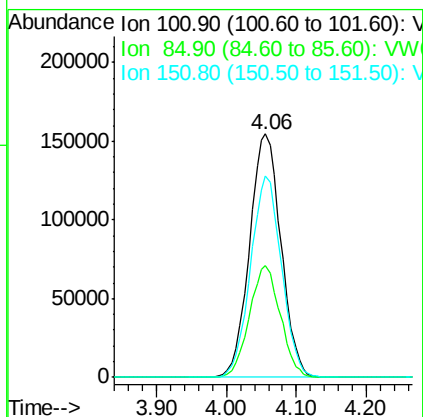
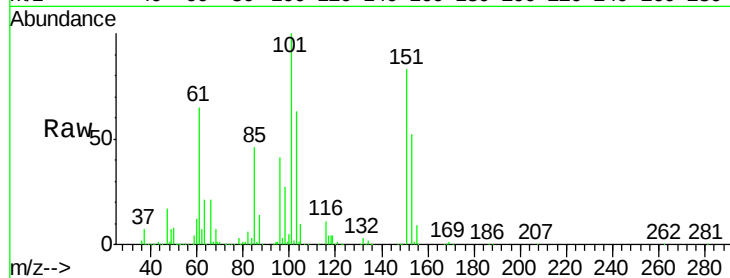
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	480674
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.0	54.0
151	81.6	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 166.289 ug/l

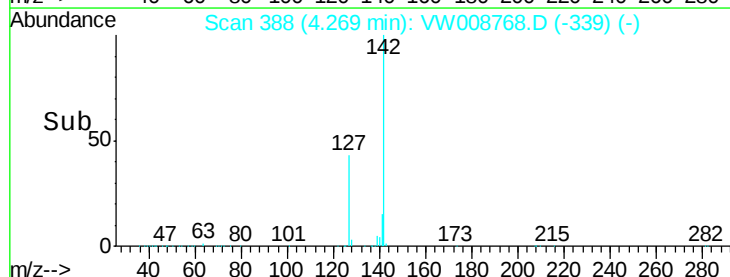
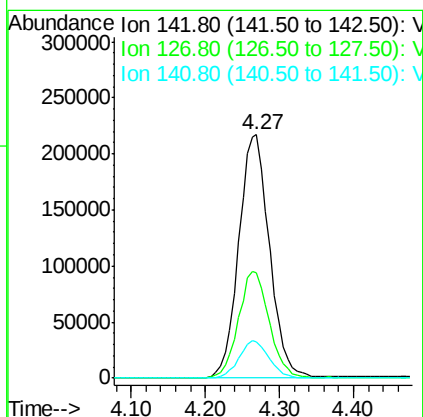
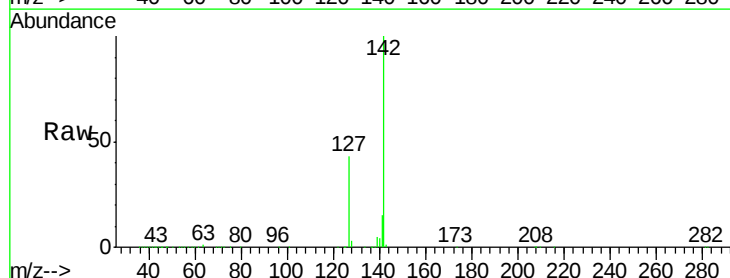
RT: 4.27 min Scan# 388

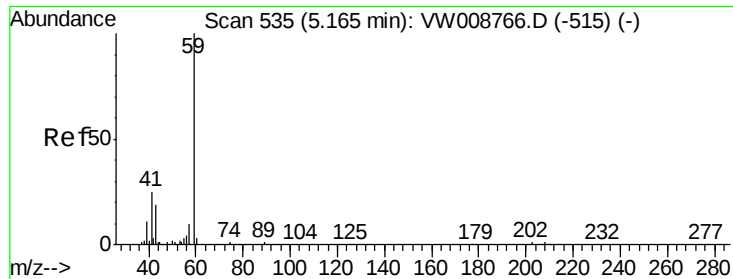
Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion:	142	Resp:	631556
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.3	52.9
141	15.0	11.7	17.5





#11

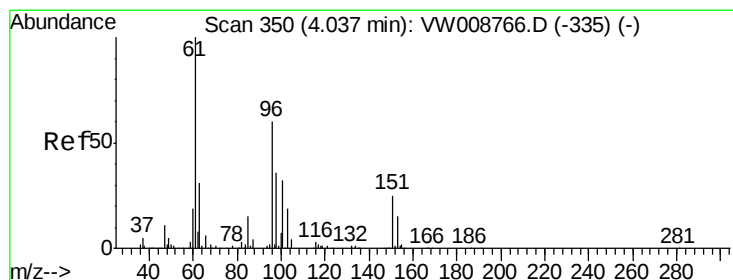
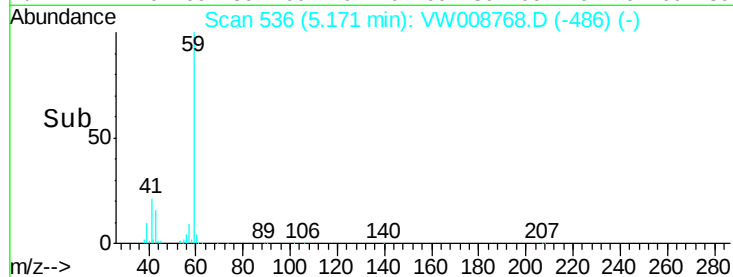
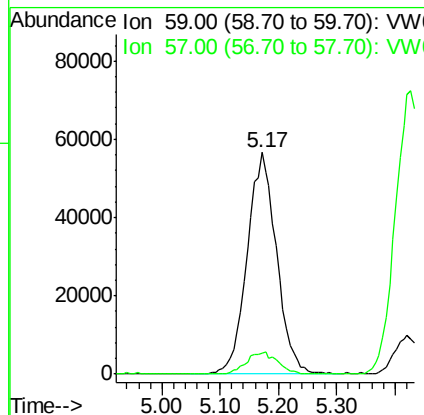
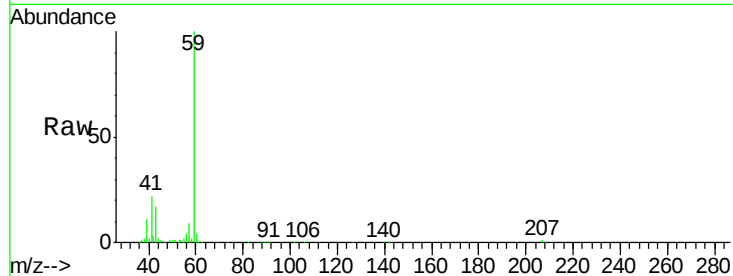
Tert butyl alcohol
Concen: 790.244 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.3	13.9

Manual Integrations
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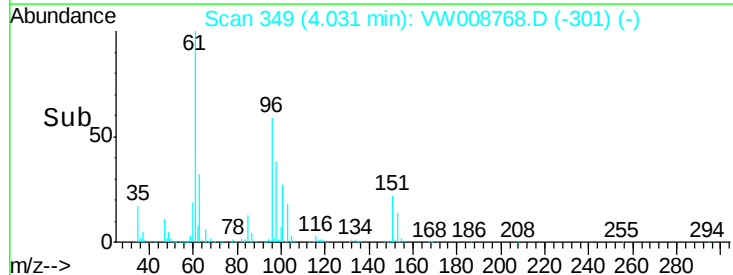
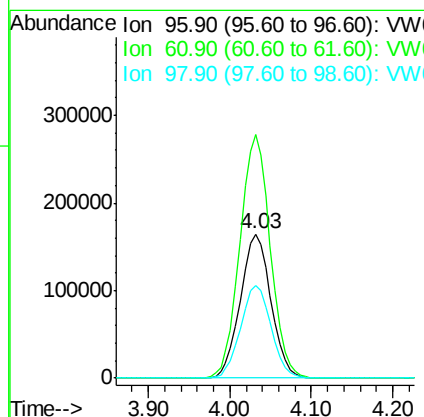
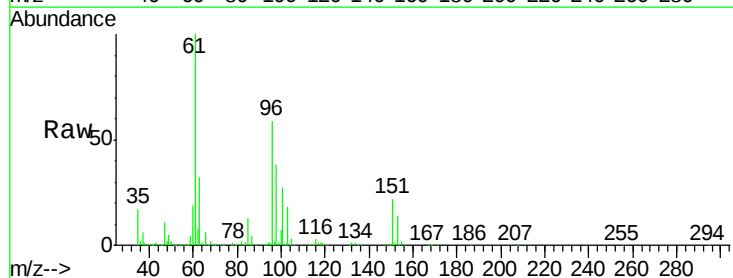
MMDadoda
2/22/2019 12:25:32 PM

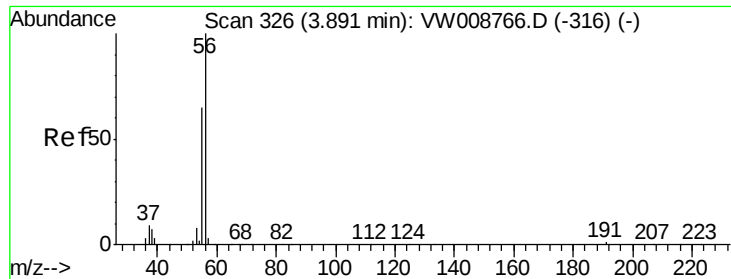


#12

1,1-Dichloroethene
Concen: 159.067 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	132.5	198.7
98	64.0	48.2	72.4





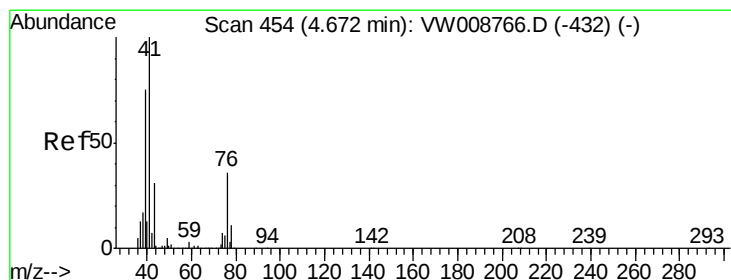
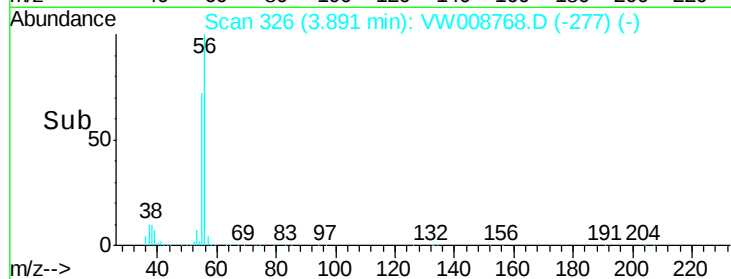
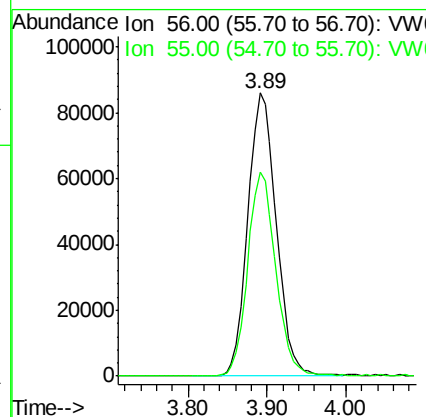
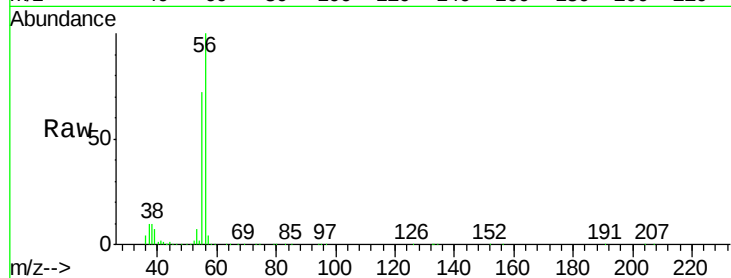
#13
Acrolein
Concen: 892.758 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.3	56.9	85.3

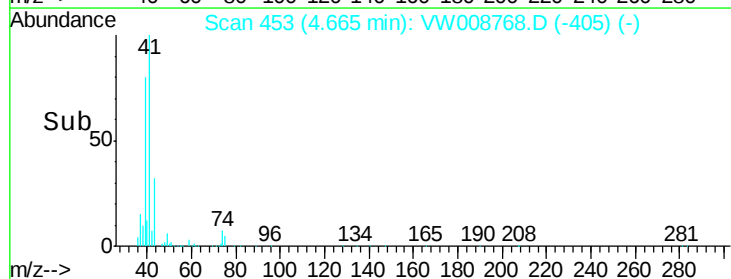
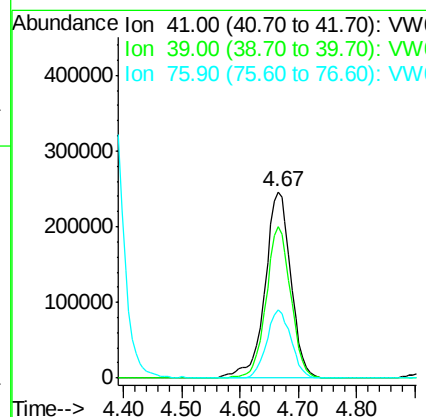
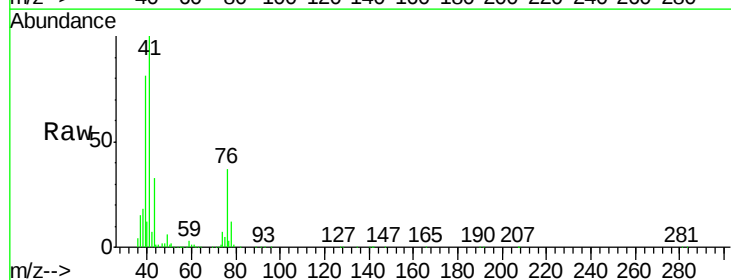
Manual Integrations
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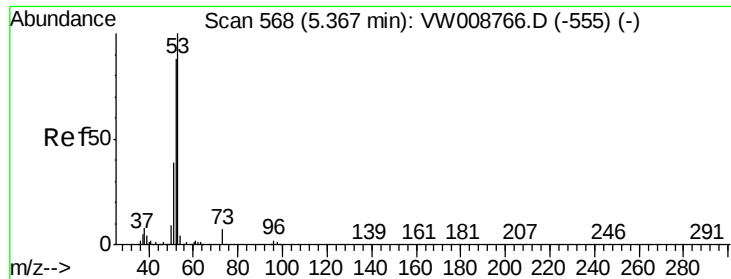
MMDadoda
2/22/2019 12:25:32 PM



#14
Allyl chloride
Concen: 164.045 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	77.8	60.6	91.0
76	76	34.6	28.6	42.8





#15

Acrylonitrile

Concen: 796.563 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

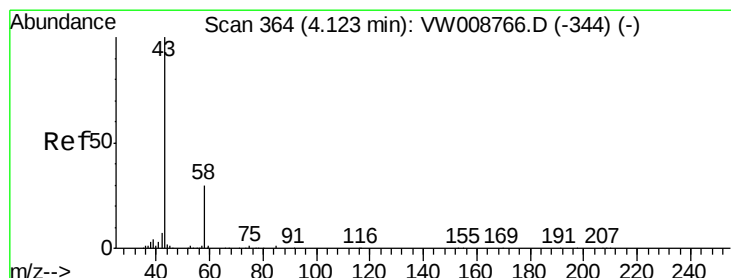
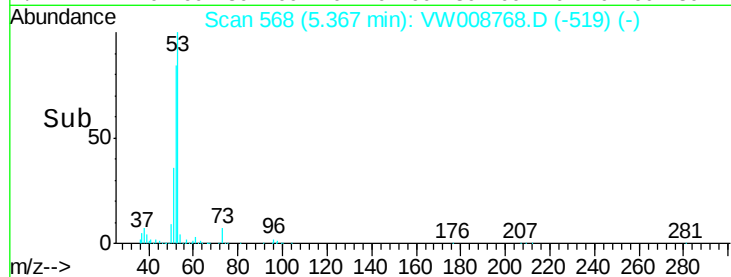
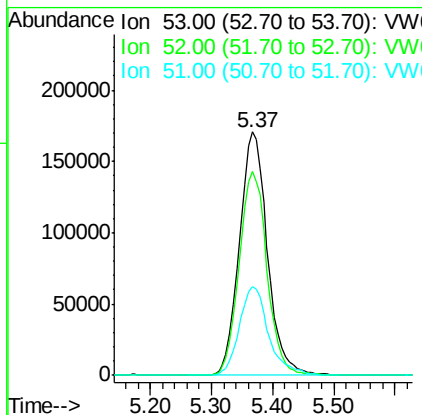
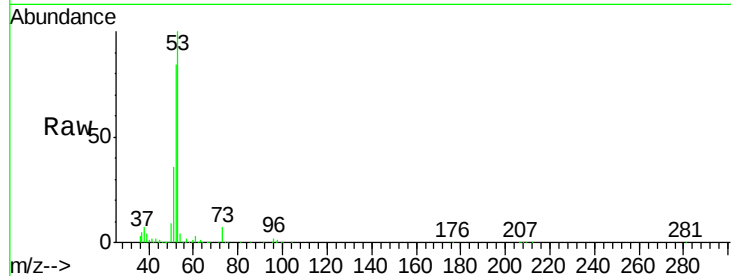
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	541303
Ion Ratio	Lower	Upper	
53	100		
52	83.0	67.2	100.8
51	38.2	31.1	46.7

Manual Integrations
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2/22/2019 12:25:32 PM



#16

Acetone

Concen: 773.191 ug/l

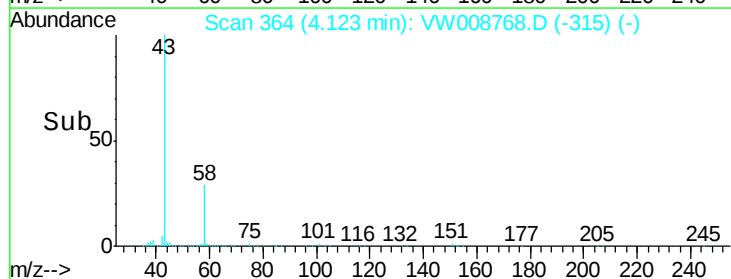
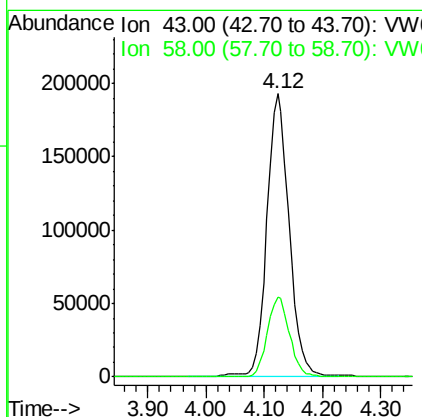
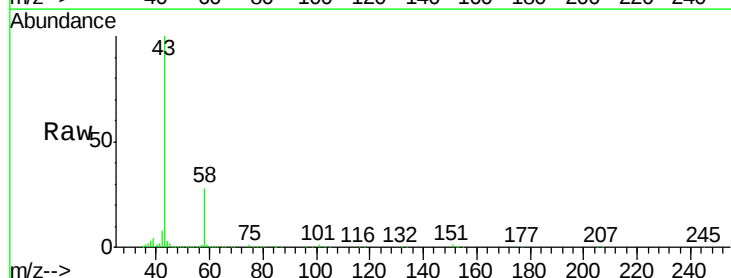
RT: 4.12 min Scan# 364

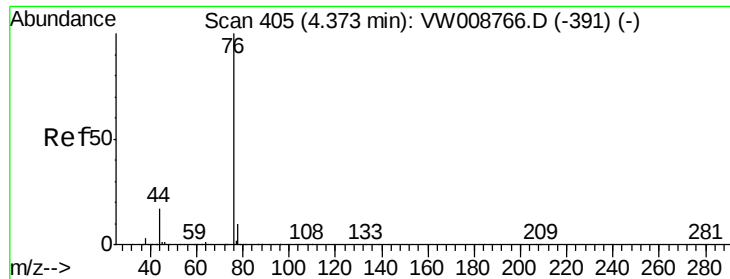
Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion:	43	Resp:	514945
Ion Ratio	Lower	Upper	
43	100		
58	28.3	23.8	35.6





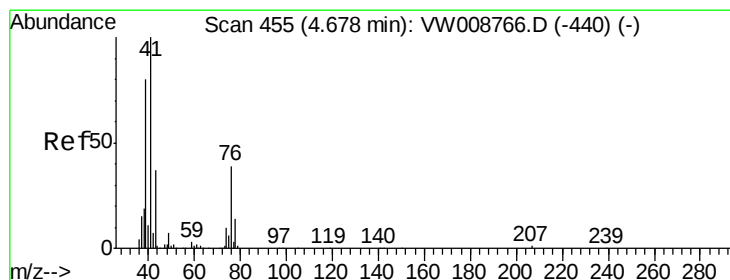
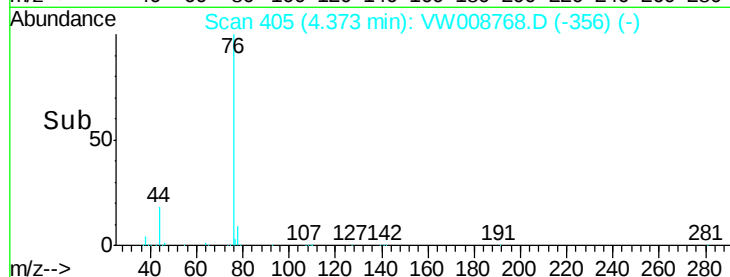
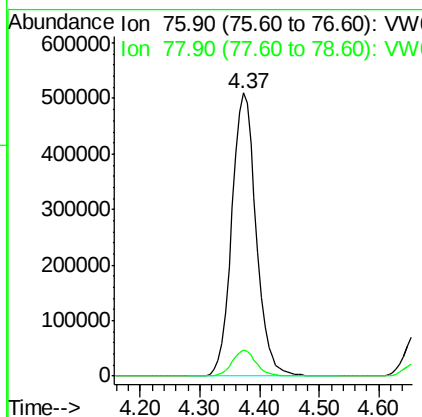
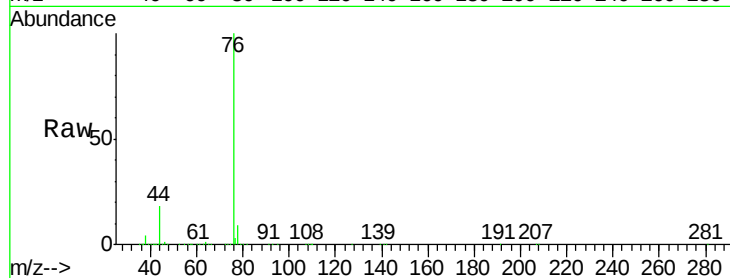
#17
Carbon Disulfide
Concen: 162.243 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1443873
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8

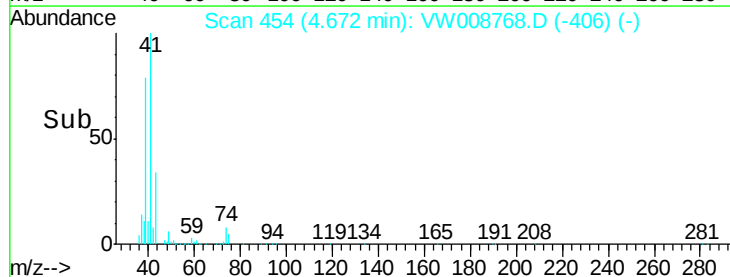
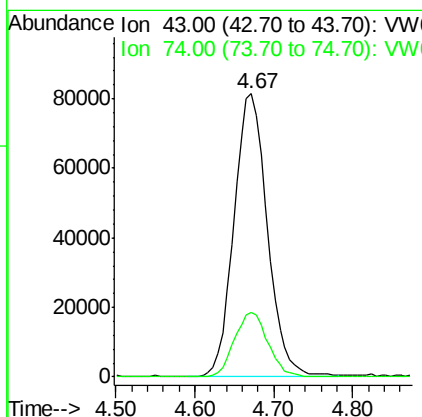
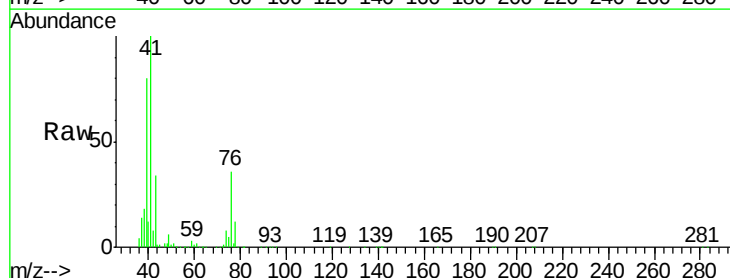
Manual Integrations
APPROVED

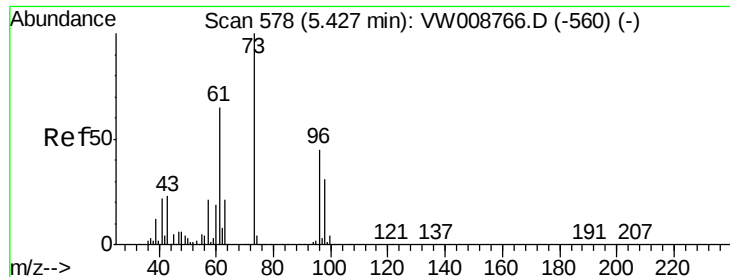
MMDadoda
2/22/2019 12:25:32 PM



#18
Methyl Acetate
Concen: 151.679 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 43 Resp: 239604
Ion Ratio Lower Upper
43 100
74 22.9 19.4 29.2





#19

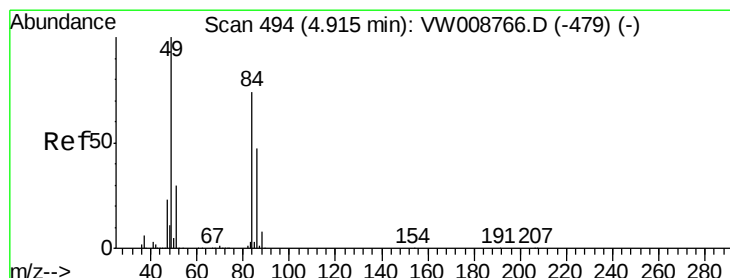
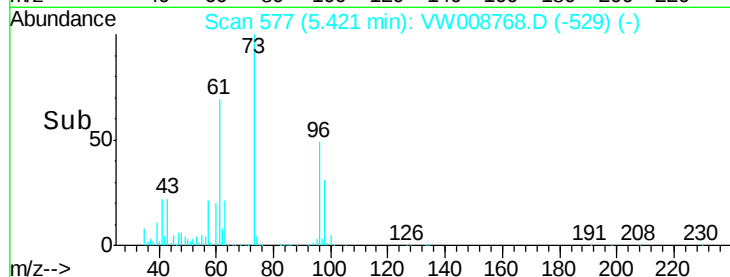
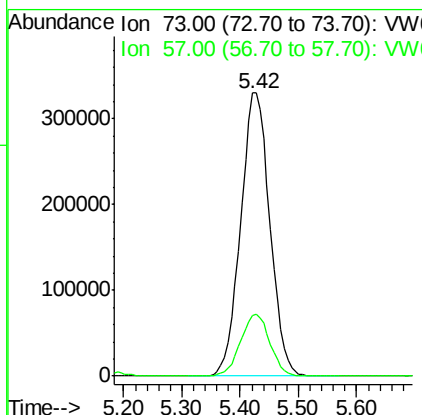
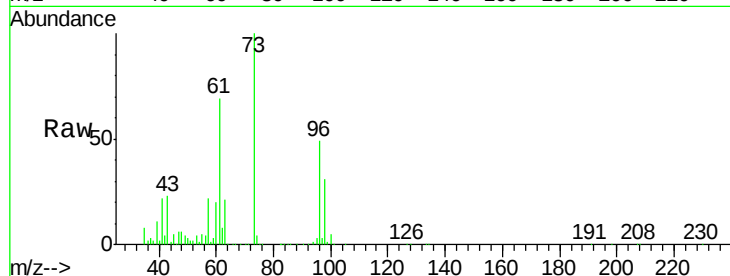
Methyl tert-butyl Ether
 Concen: 157.909 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1146435
 Ion Ratio Lower Upper
 73 100
 57 21.7 16.8 25.2

Manual Integrations
 APPROVED

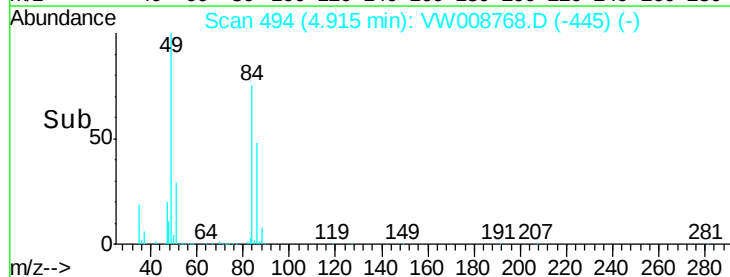
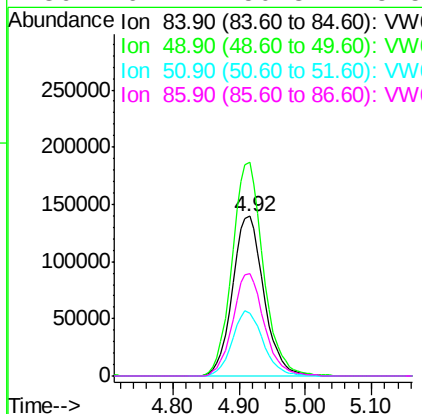
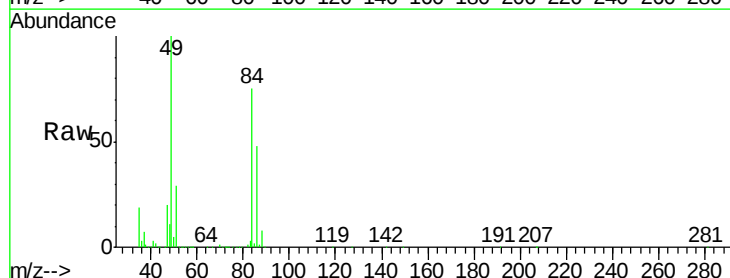
MMDadoda
 2/22/2019 12:25:32 PM

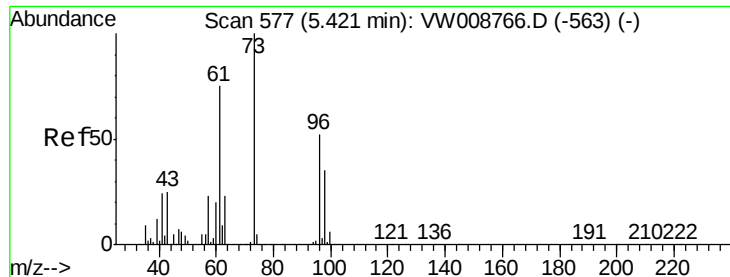


#20

Methylene Chloride
 Concen: 116.962 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 84 Resp: 459269
 Ion Ratio Lower Upper
 84 100
 49 133.9 108.2 162.2
 51 39.0 32.7 49.1
 86 64.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 155.502 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

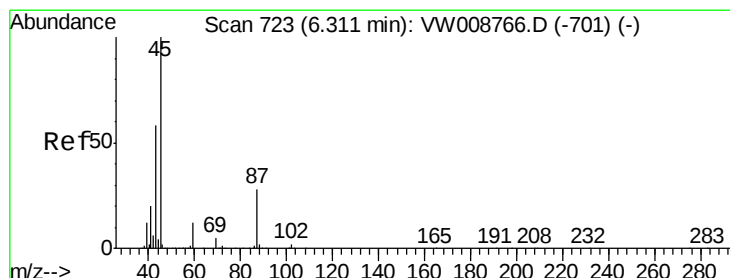
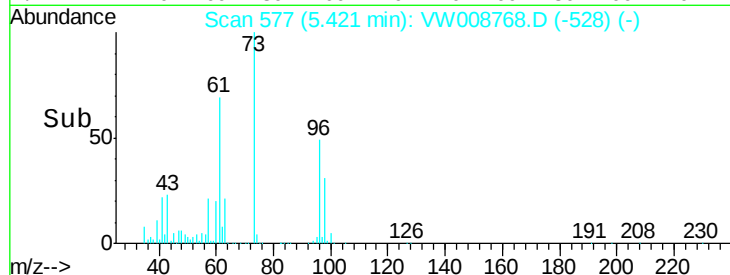
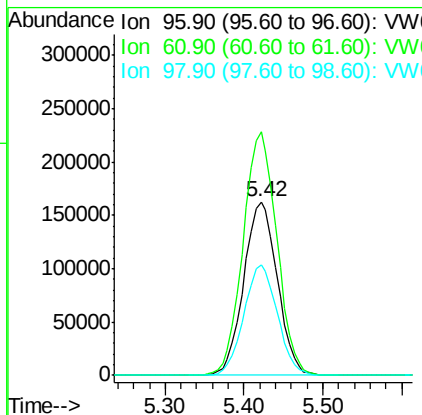
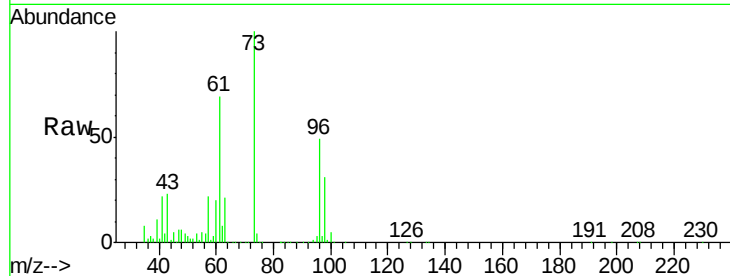
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	482477
Ion Ratio	Lower	Upper	
96	100		
61	140.4	114.6	171.8
98	63.4	54.0	81.0

Manual Integrations
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2/22/2019 12:25:32 PM



#22

Diisopropyl ether

Concen: 158.427 ug/l

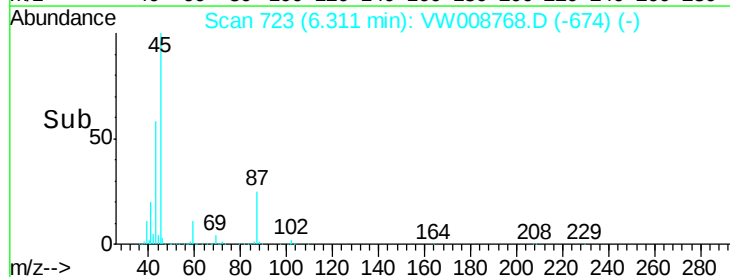
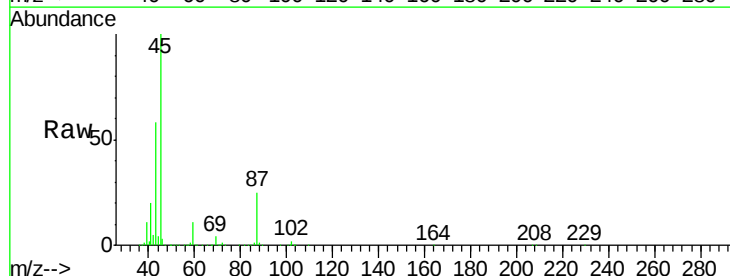
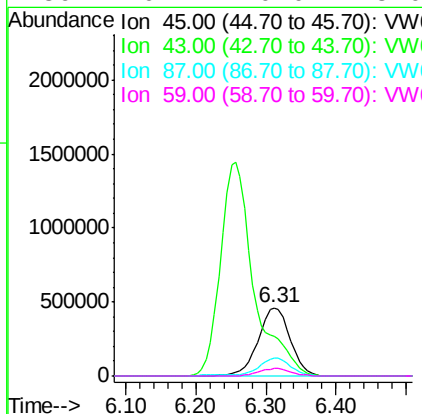
RT: 6.31 min Scan# 723

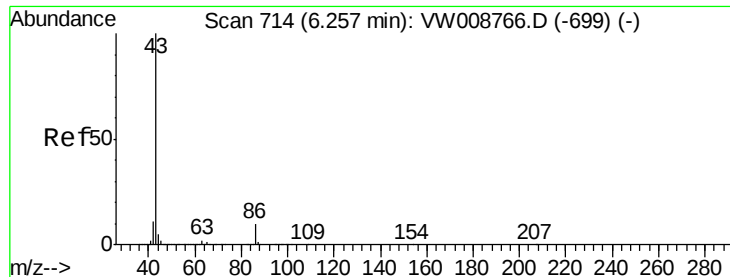
Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion:	45	Resp:	1463039
Ion Ratio	Lower	Upper	
45	100		
43	57.5	46.1	69.1
87	25.4	22.2	33.4
59	10.7	10.0	15.0





#23

Vinyl Acetate

Concen: 840.288 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tot Ion: 43 Resp: 4794481

Ion Ratio Lower Upper

43 100

86 9.8 8.1 12.1

Instrument :

MSVOA_W

ClientSampleId :

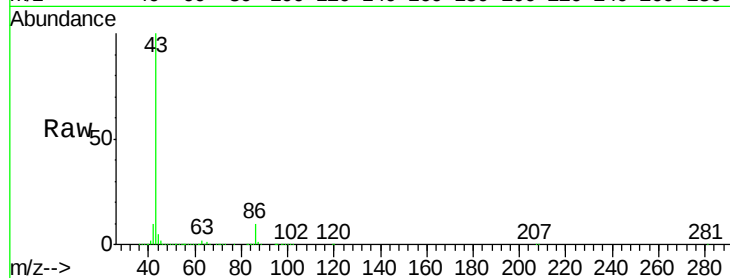
VSTDIC150

Manual Integrations

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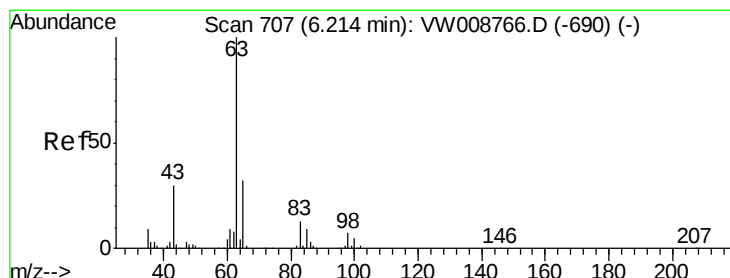
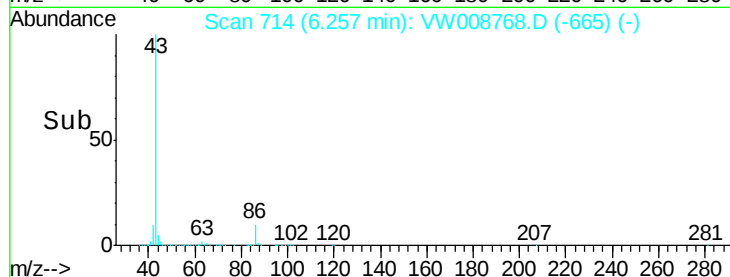
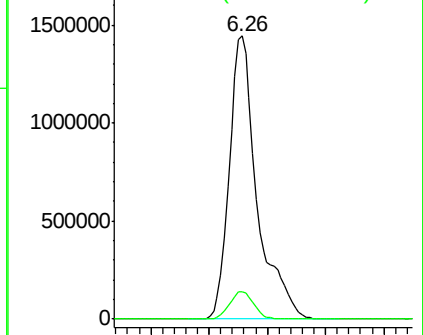
MMDadoda

2/22/2019 12:25:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 157.642 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

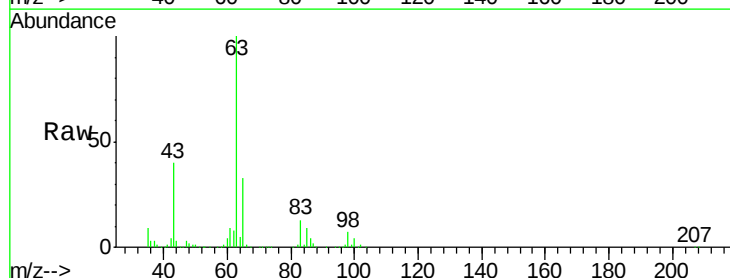
Tgt Ion: 63 Resp: 843595

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

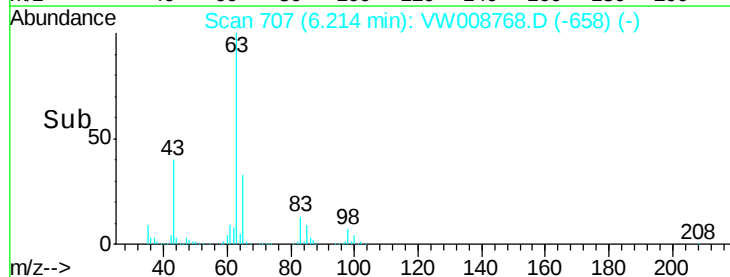
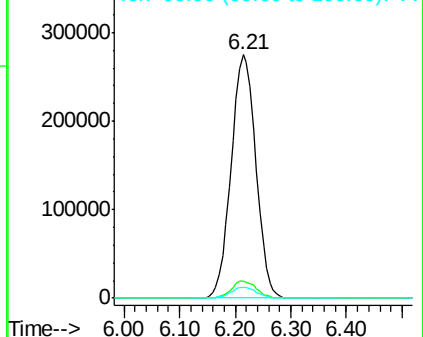
100 4.5 2.4 7.2

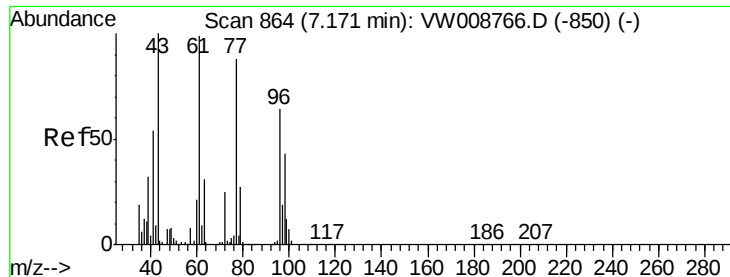


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 818.545 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 762157

Ion Ratio Lower Upper

43 100

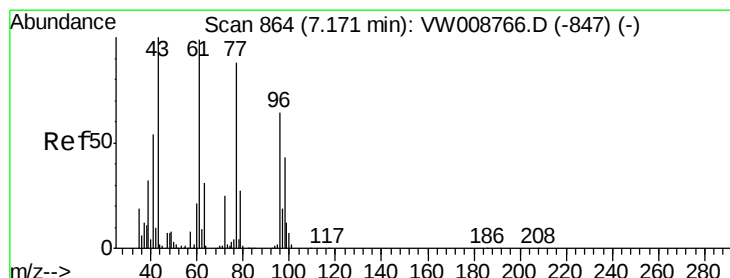
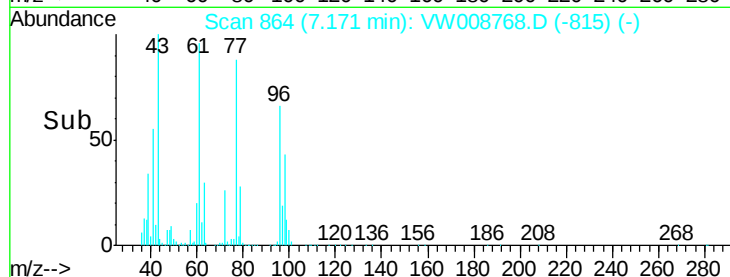
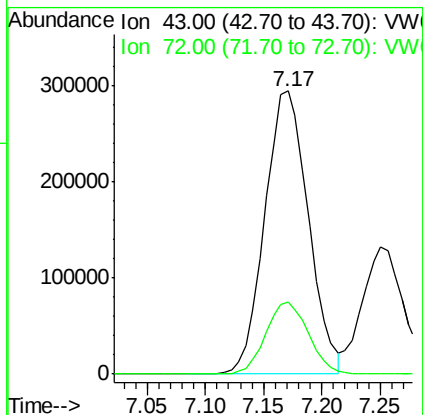
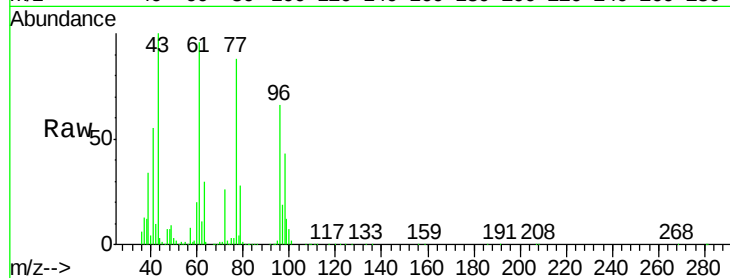
72 25.7 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 157.730 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008768.D

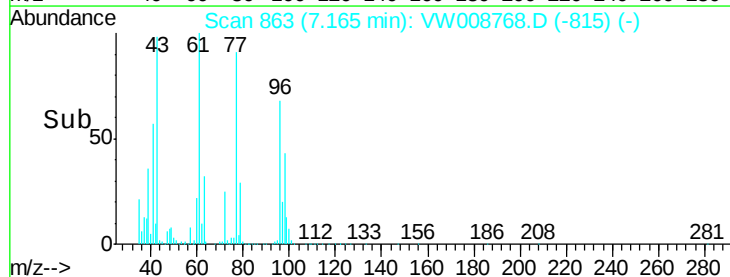
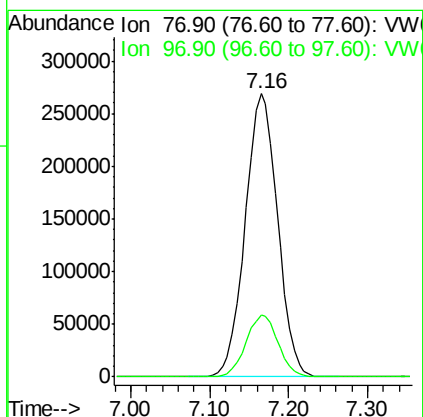
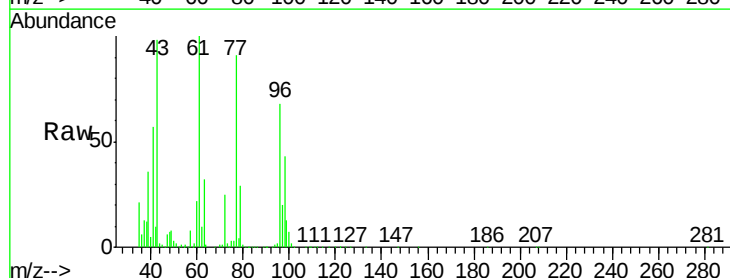
Acq: 21 Feb 2019 13:04

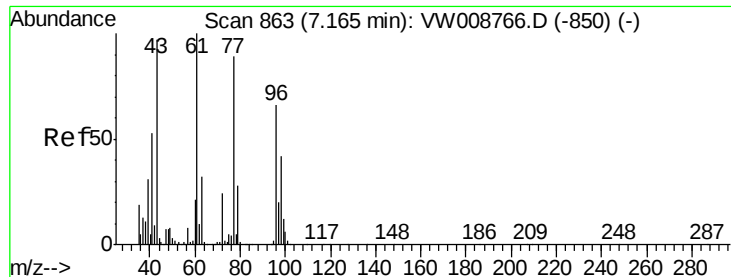
Tgt Ion: 77 Resp: 766306

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0





#27

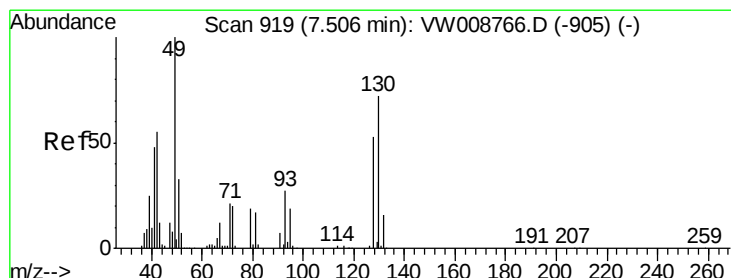
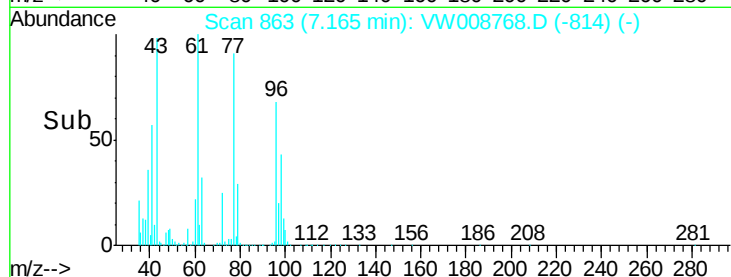
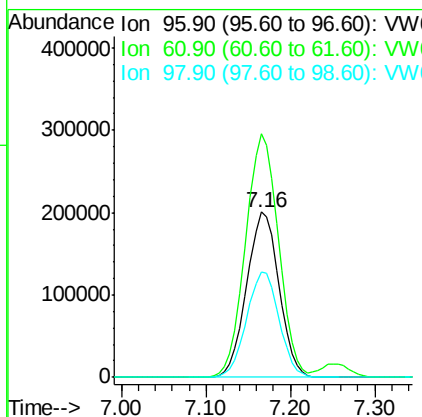
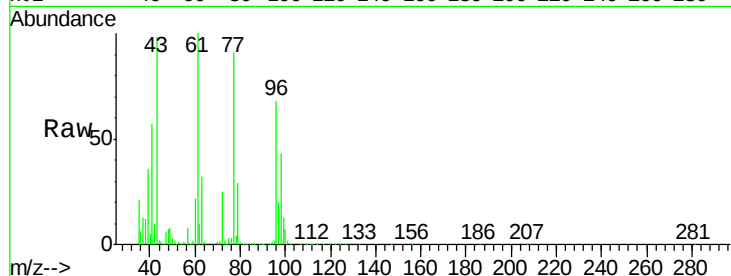
cis-1,2-Dichloroethene
Concen: 157.531 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	522837		
61	149.9		0.0	302.6
98	64.3		0.0	130.0

Manual Integrations
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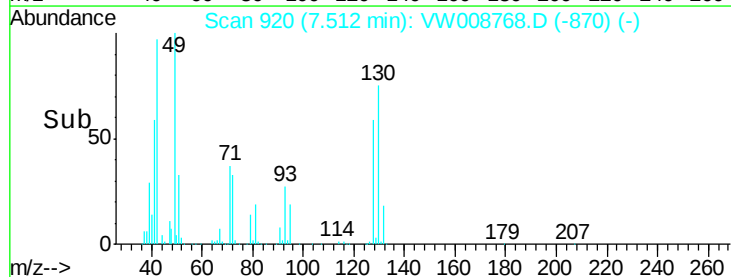
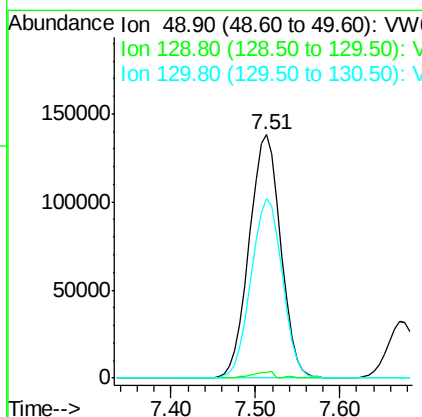
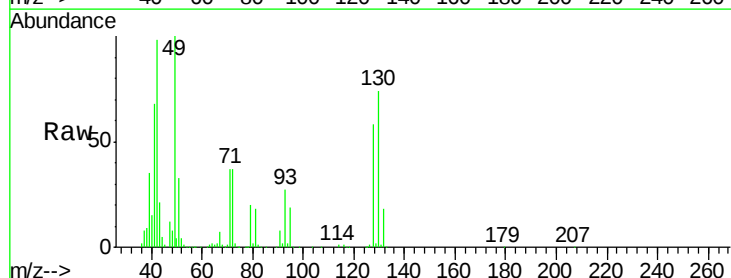
MMDadoda
2/22/2019 12:25:32 PM

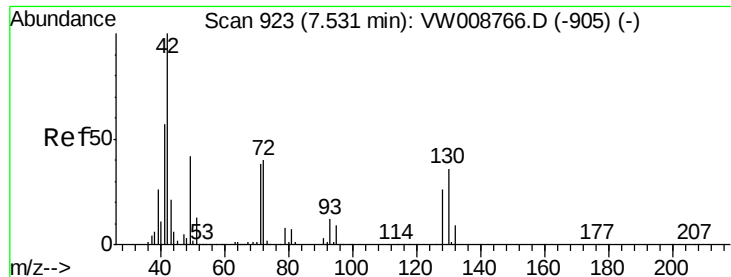


#28

Bromochloromethane
Concen: 156.996 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	351570		
129	1.7		0.0	2.6
130	73.8		61.3	91.9





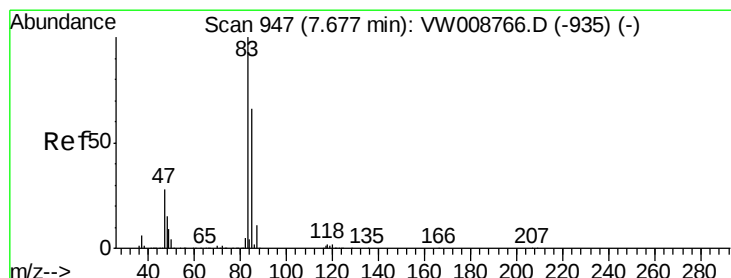
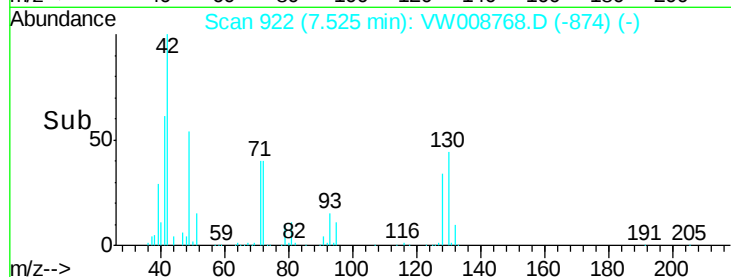
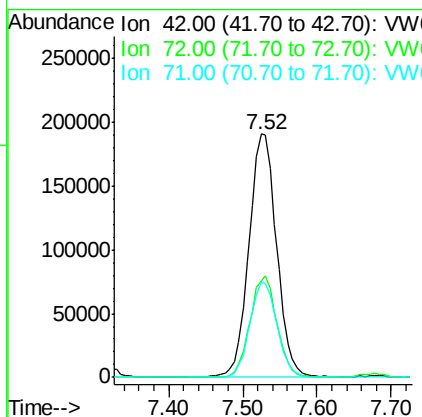
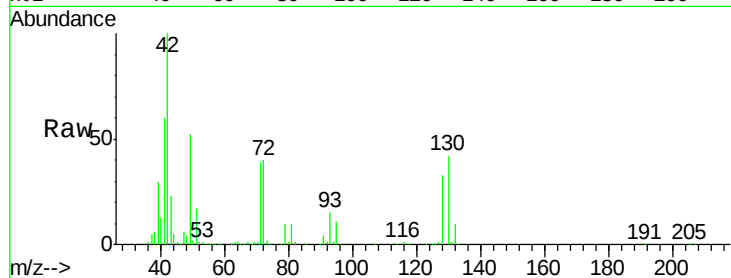
#29
Tetrahydrofuran
Concen: 839.736 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.7	49.1
71	38.5	31.3	46.9

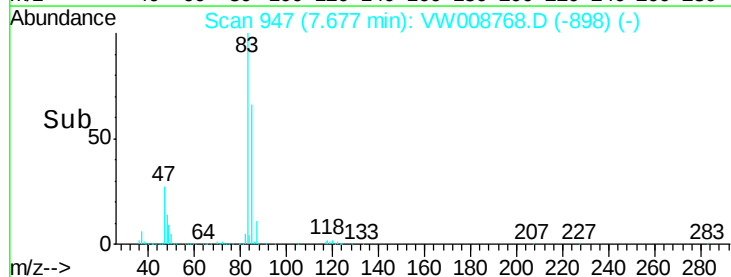
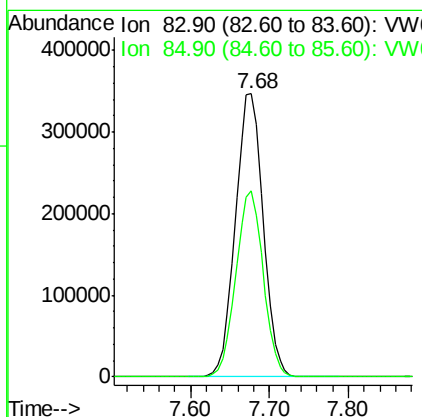
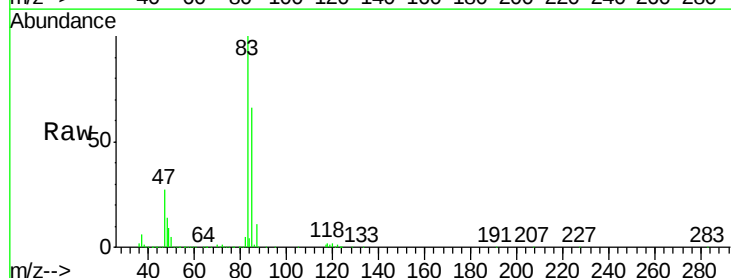
Manual Integrations
APPROVED

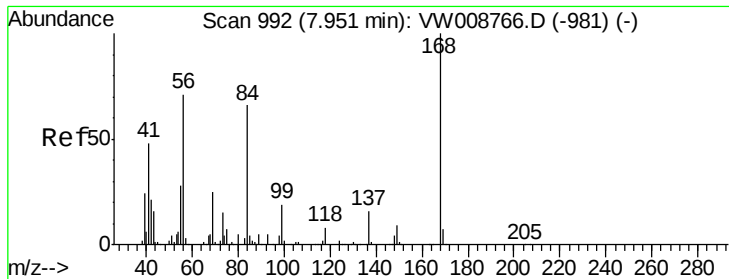
MMDadoda
2/22/2019 12:25:32 PM



#30
Chloroform
Concen: 155.177 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	79.0





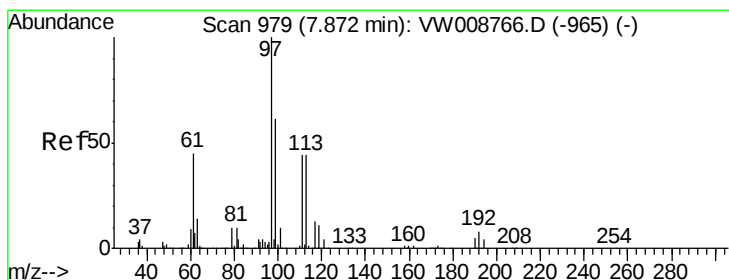
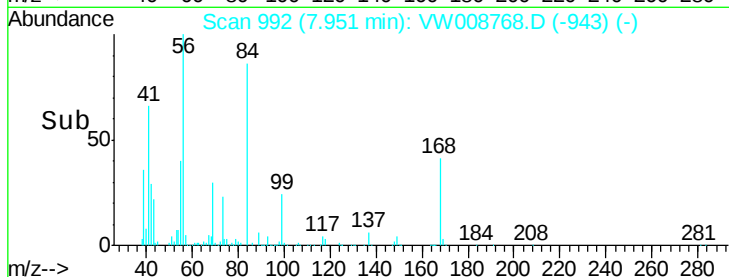
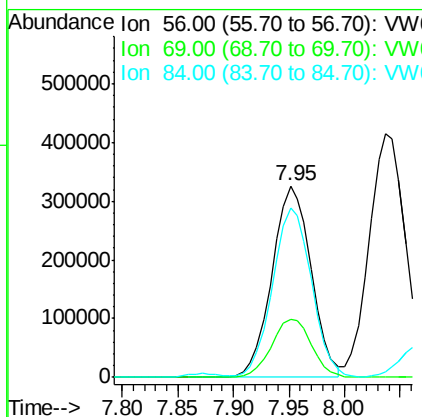
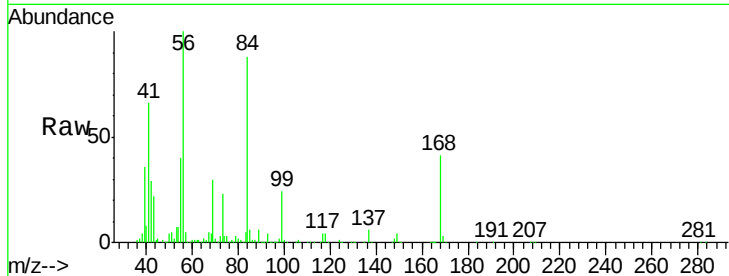
#31
Cyclohexane
Concen: 147.023 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	28.2	42.4
84	86.8	74.1	111.1

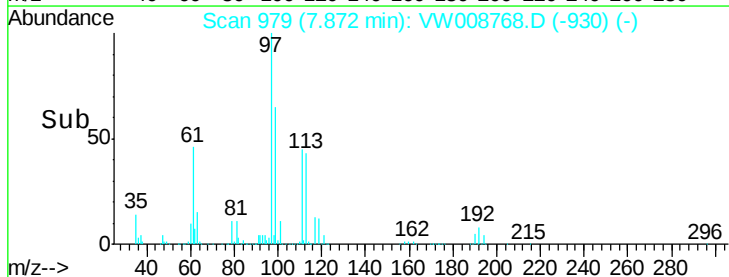
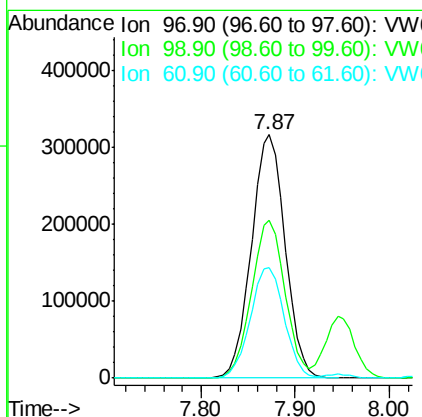
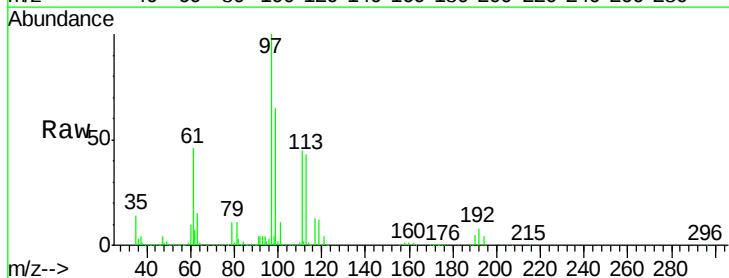
Manual Integrations
APPROVED

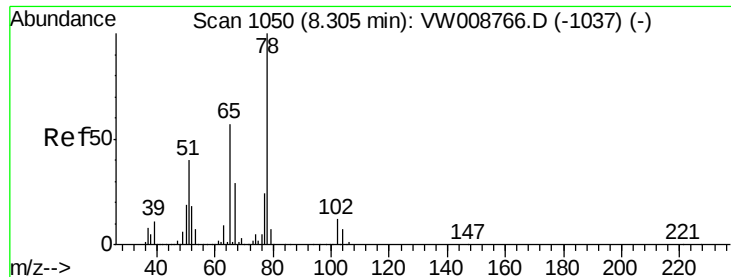
MMDadoda
2/22/2019 12:25:32 PM



#32
1,1,1-Trichloroethane
Concen: 158.710 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	45.9	36.0	54.0





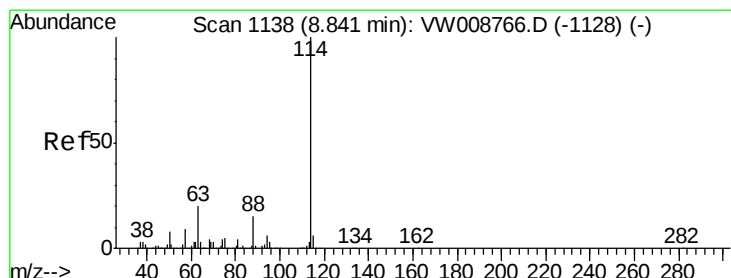
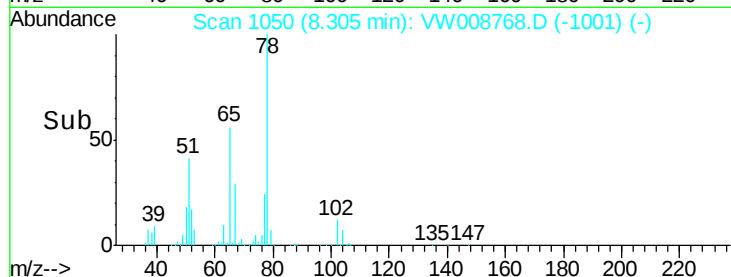
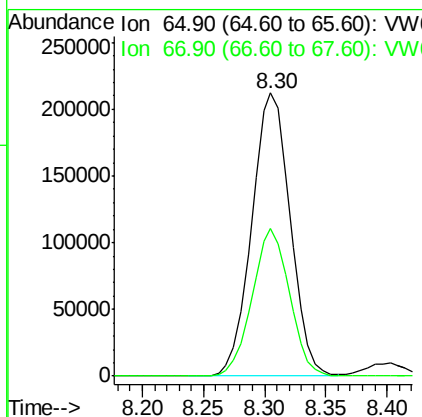
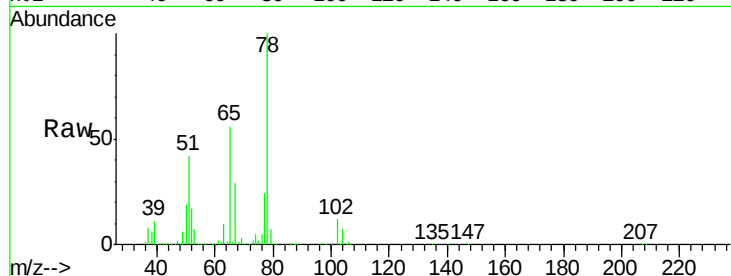
#33
 1,2-Dichloroethane-d4
 Concen: 161.552 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	464183		
67	50.6	0.0	101.4	

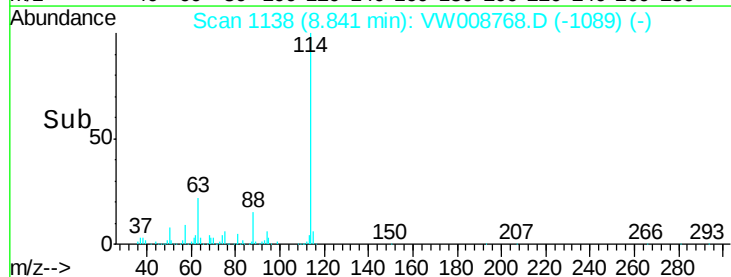
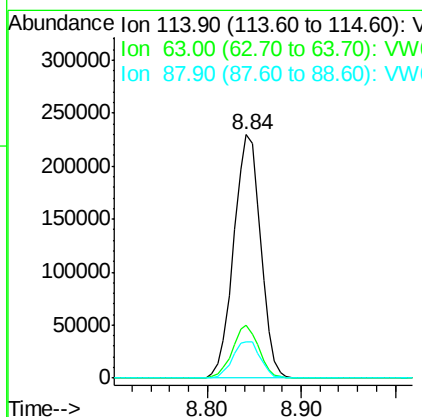
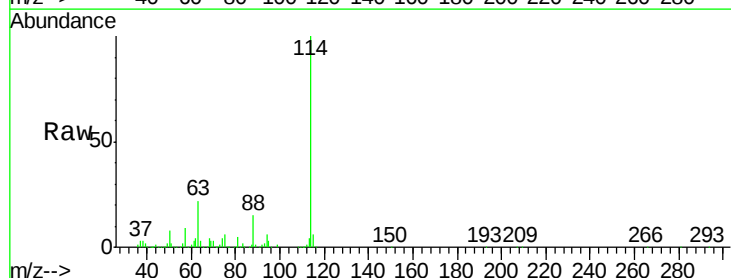
Manual Integrations
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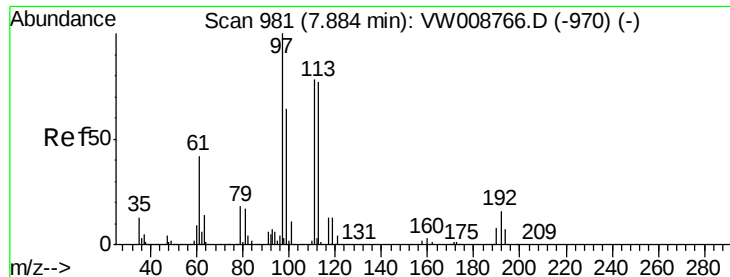
MMDadoda
 2/22/2019 12:25:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455955		
63	21.6	0.0	40.8	
88	14.7	0.0	30.4	





#35

Dibromofluoromethane

Concen: 154.271 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

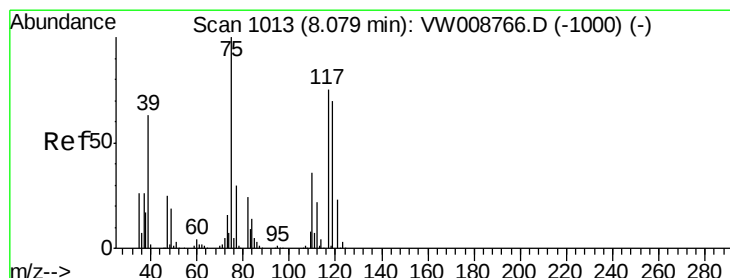
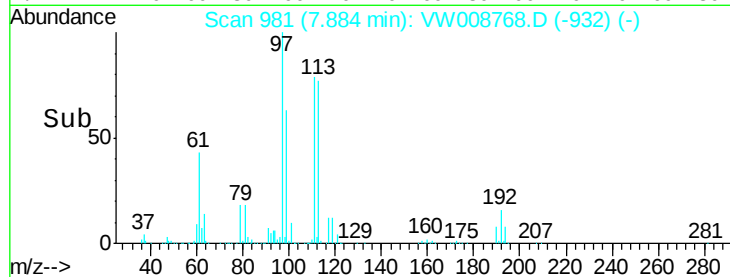
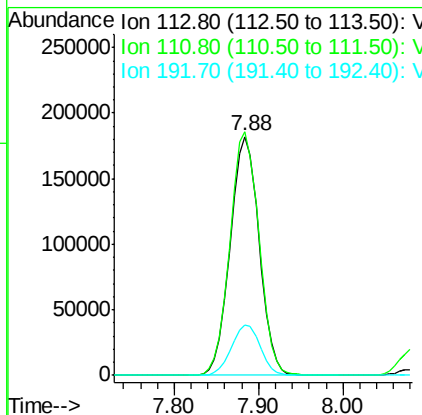
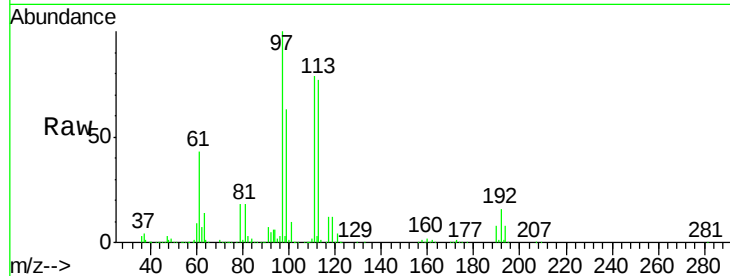
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	422333
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.9	122.9
192	21.2	17.1	25.7

Manual Integrations
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2/22/2019 12:25:32 PM



#36

1,1-Dichloropropene

Concen: 150.615 ug/l

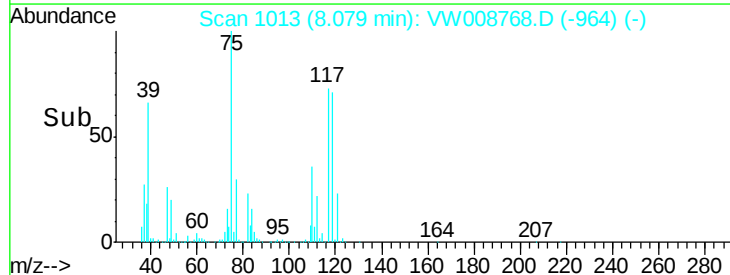
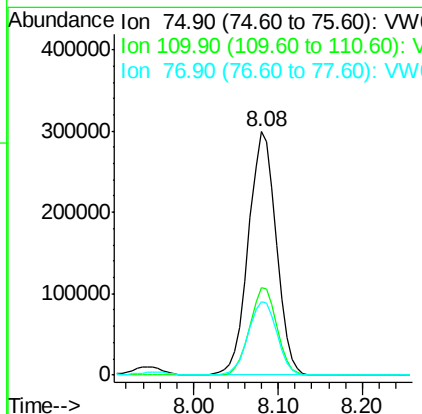
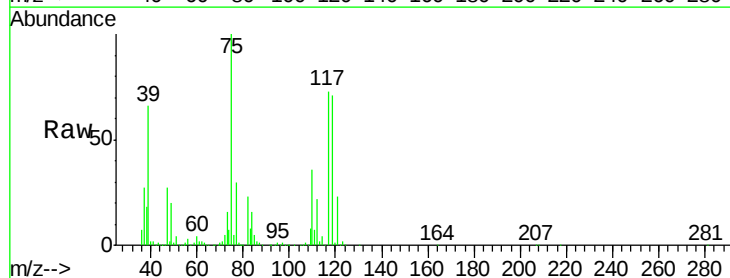
RT: 8.08 min Scan# 1013

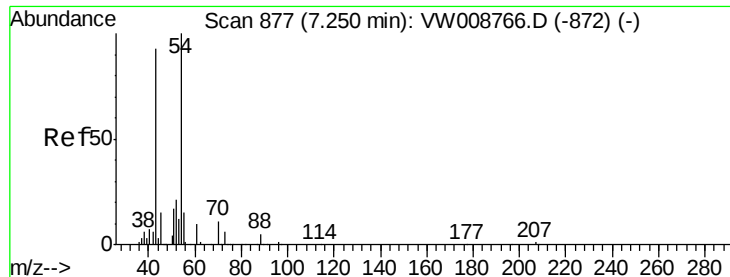
Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion:	75	Resp:	668496
Ion Ratio	Lower	Upper	
75	100		
110	35.3	17.5	52.6
77	31.2	24.5	36.7





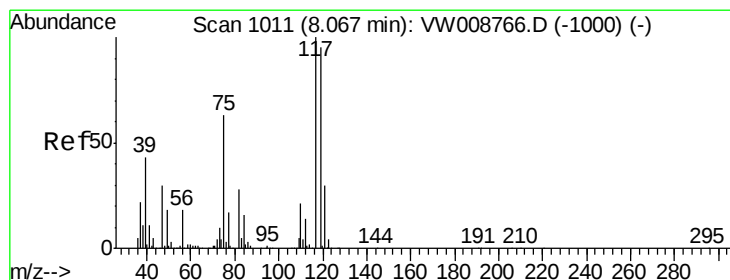
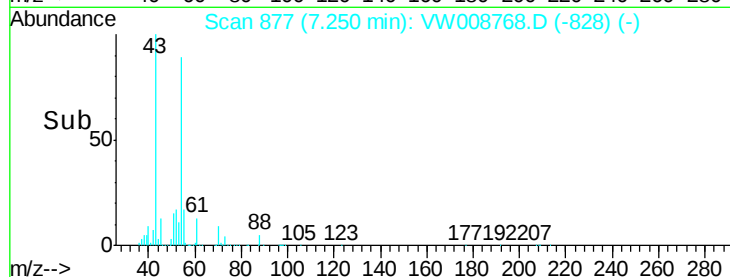
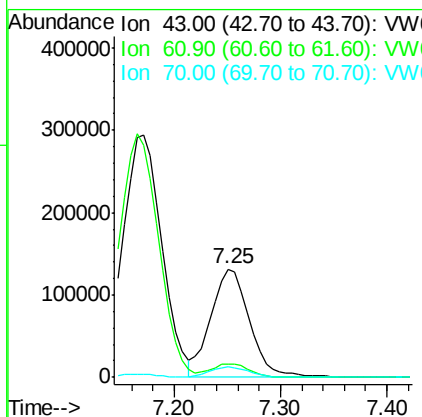
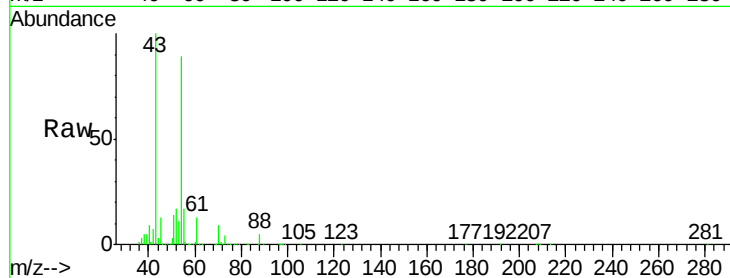
#37
Ethyl Acetate
Concen: 158.613 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	9.8	8.4	12.6

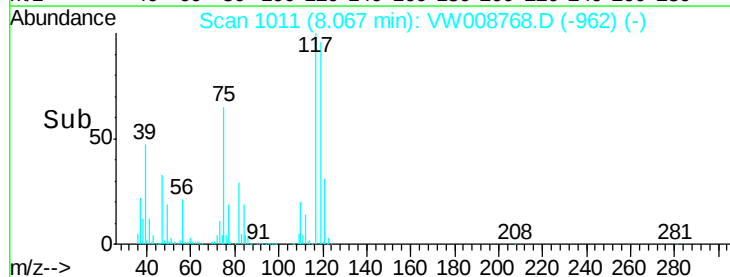
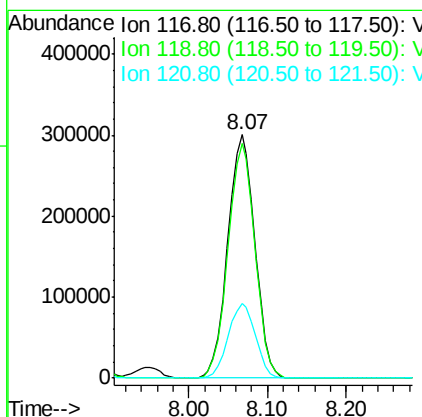
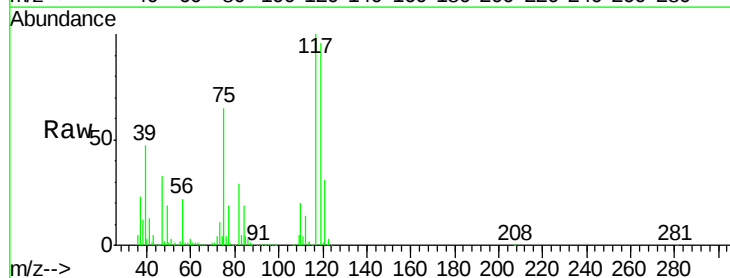
Manual Integrations
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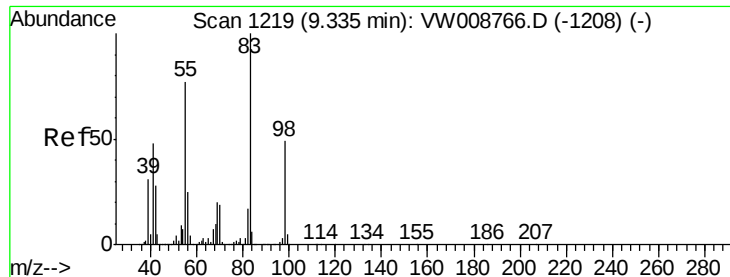
MMDadoda
2/22/2019 12:25:32 PM



#38
Carbon Tetrachloride
Concen: 153.544 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.1	114.1
121	30.6	24.0	36.0





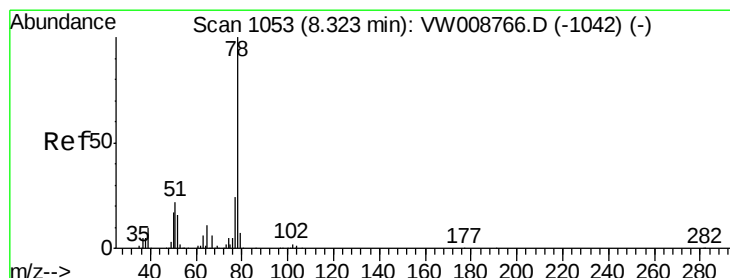
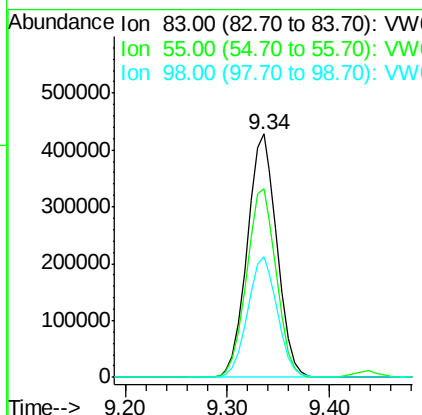
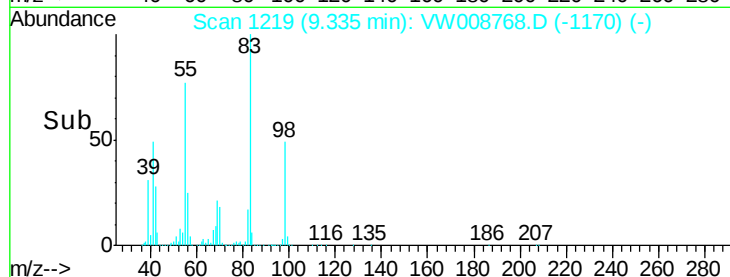
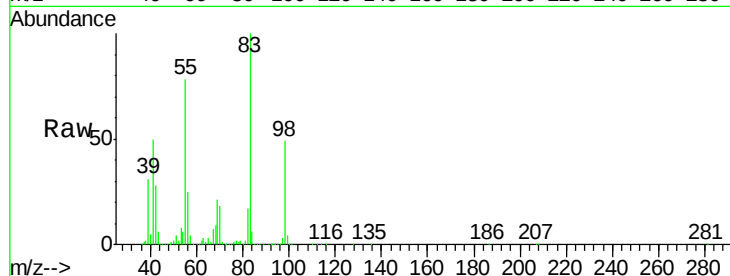
#39
Methvlcvclohexane
Concen: 156.097 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.2	91.8
98	49.5	39.4	59.2

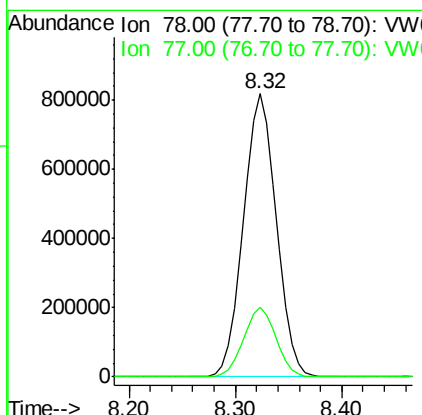
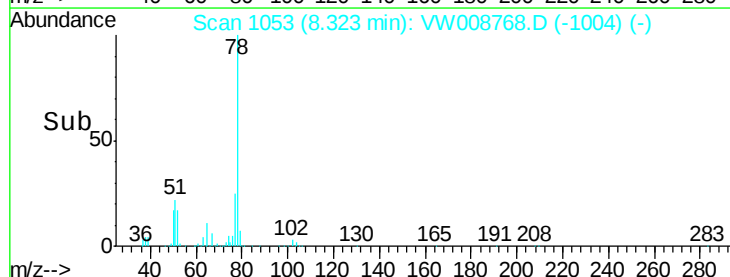
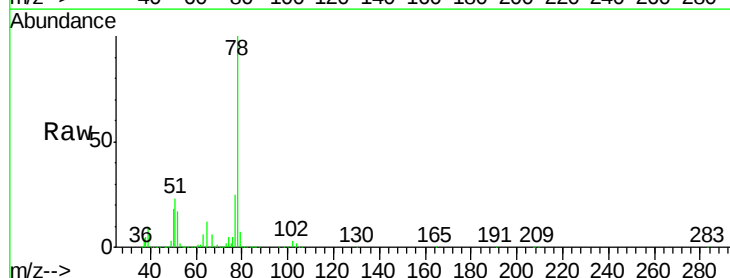
Manual Integrations
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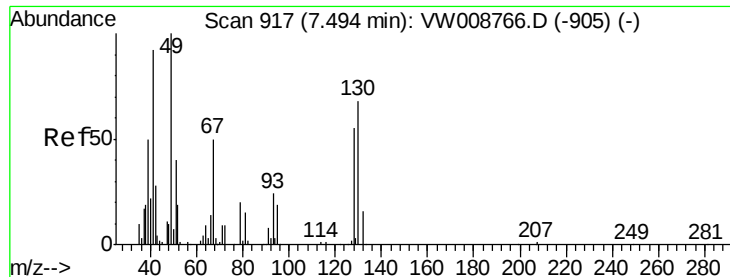
MMDadoda
2/22/2019 12:25:32 PM



#40
Benzene
Concen: 146.491 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.3	28.9





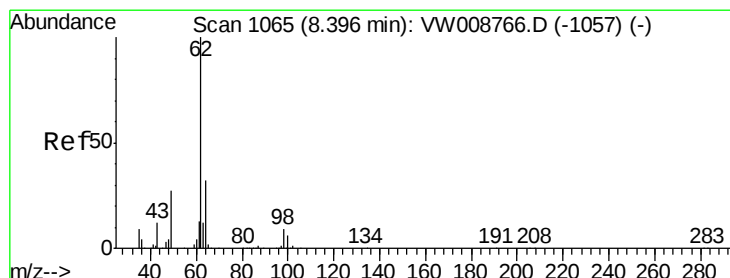
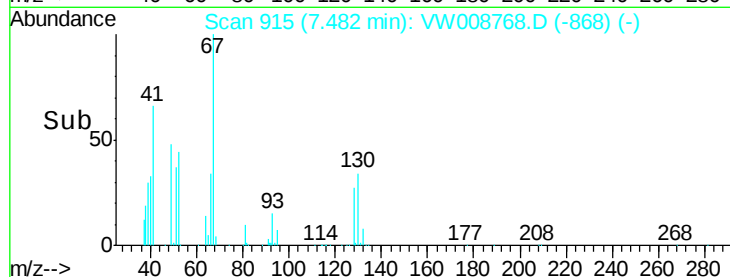
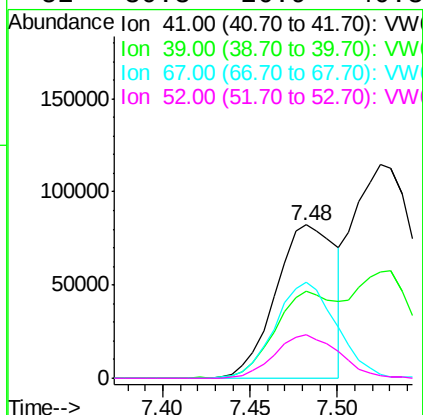
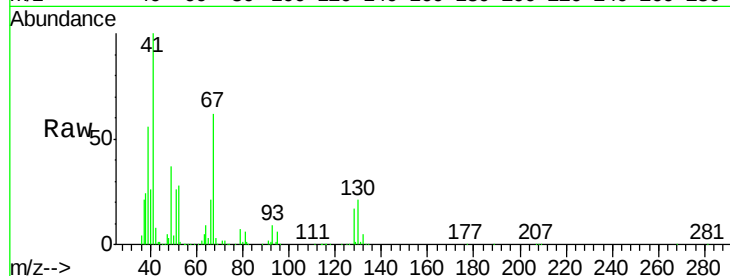
#41
Methacrylonitrile
Concen: 162.431 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.4	52.5	78.7
67	64.7	55.0	82.6
52	30.3	26.9	40.3

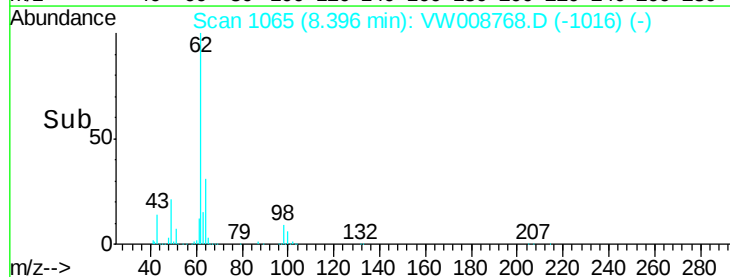
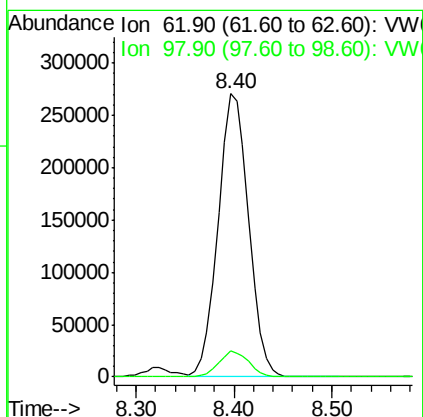
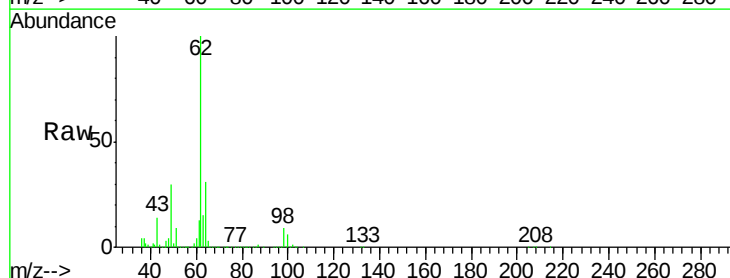
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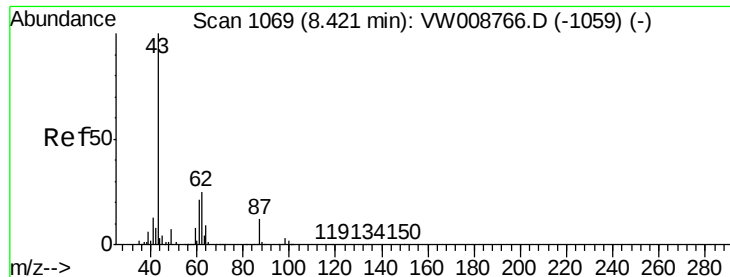
MMDadoda
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#42
1,2-Dichloroethane
Concen: 152.526 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

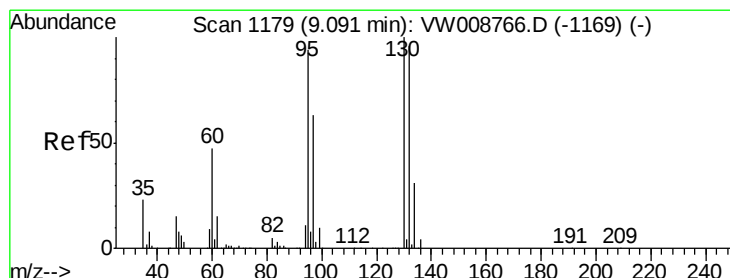
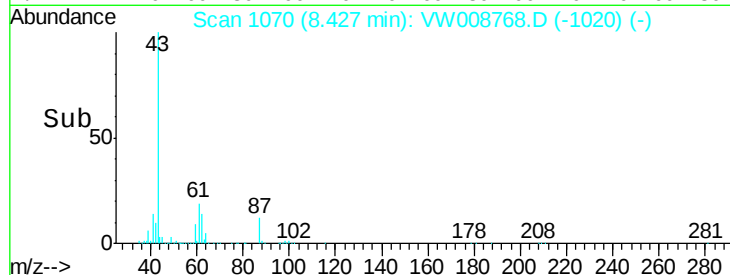
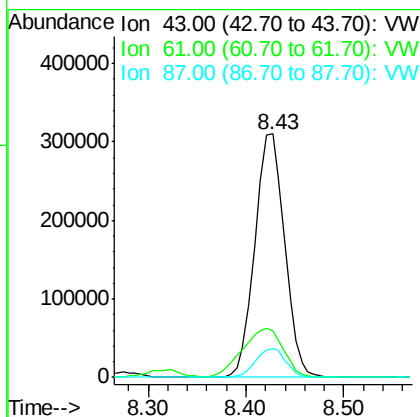
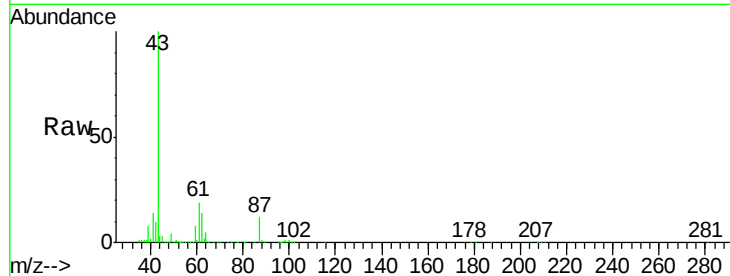
Isopropyl Acetate
 Concen: 158.748 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.2	34.8
87	12.0	9.9	14.9

Manual Integrations
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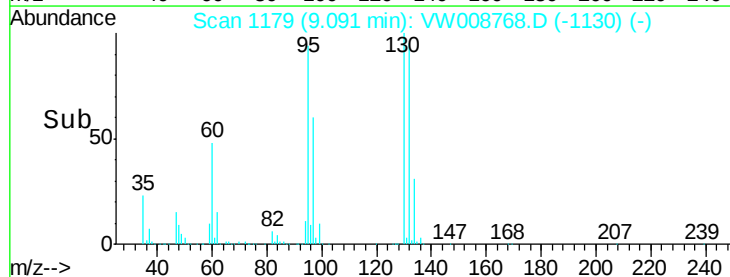
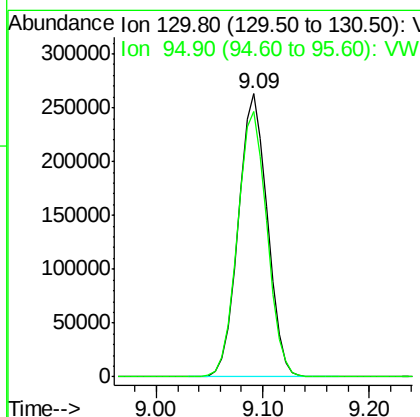
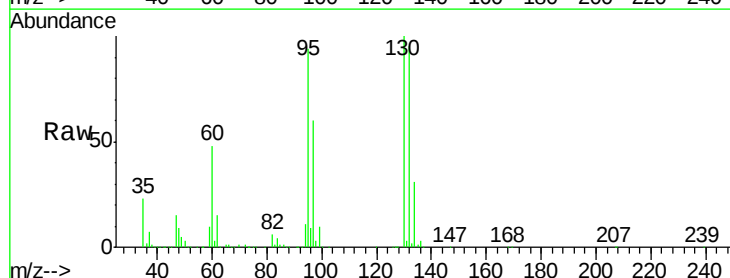
MMDadoda
 2/22/2019 12:25:32 PM

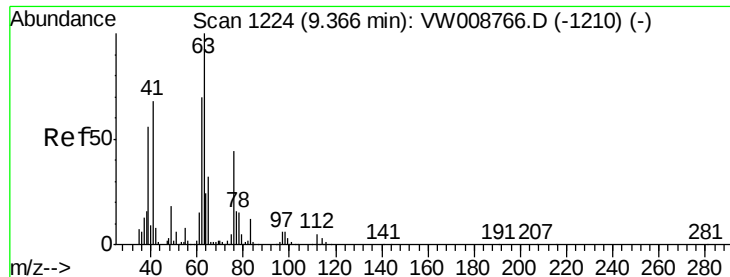


#44

Trichloroethene
 Concen: 147.643 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	188.6





#45

1,2-Dichloropropane

Concen: 147.415 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 441449

Ion Ratio Lower Upper

63 100

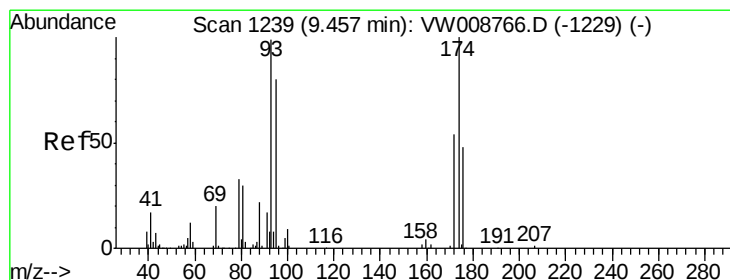
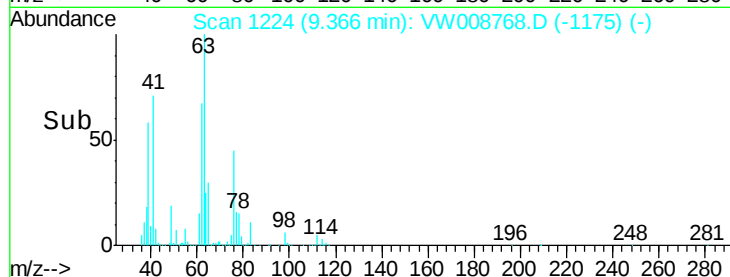
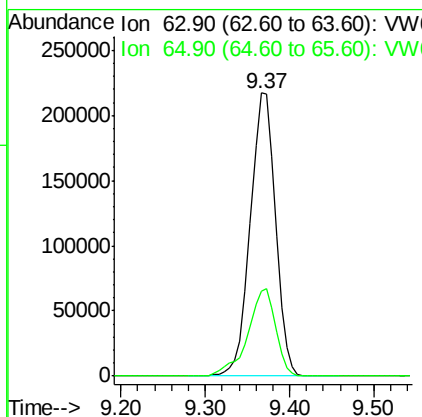
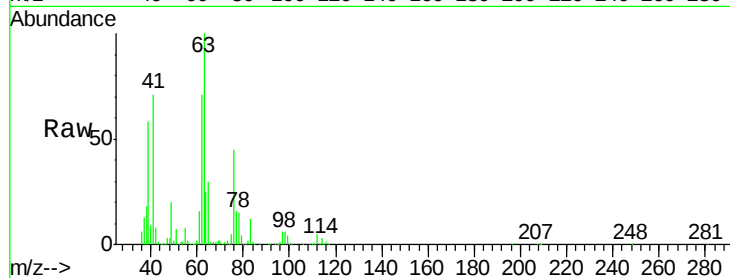
65 30.2 25.5 38.3

Manual Integrations

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#46

Dibromomethane

Concen: 152.332 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

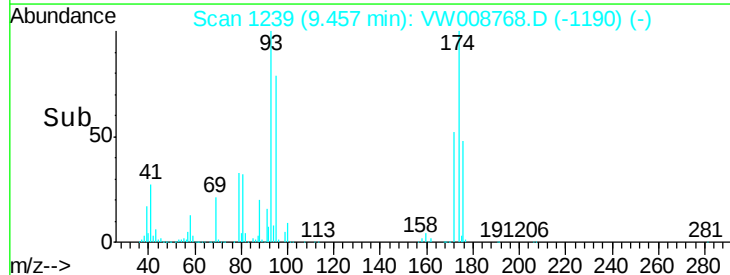
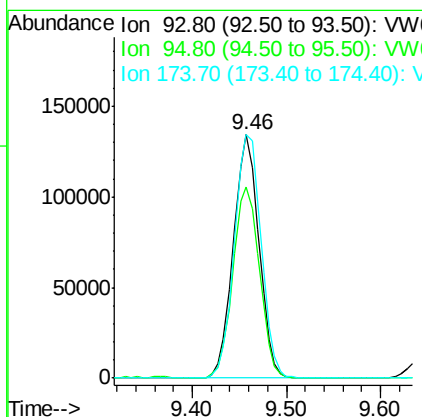
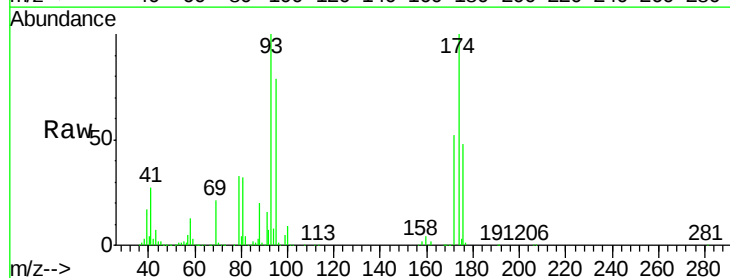
Tgt Ion: 93 Resp: 253742

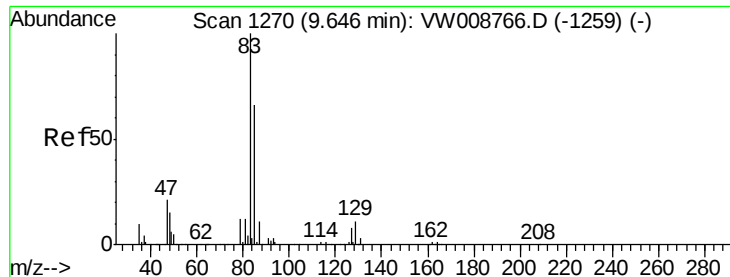
Ion Ratio Lower Upper

93 100

95 81.9 67.7 101.5

174 104.9 86.7 130.1





#47

Bromodichloromethane

Concen: 155.738 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

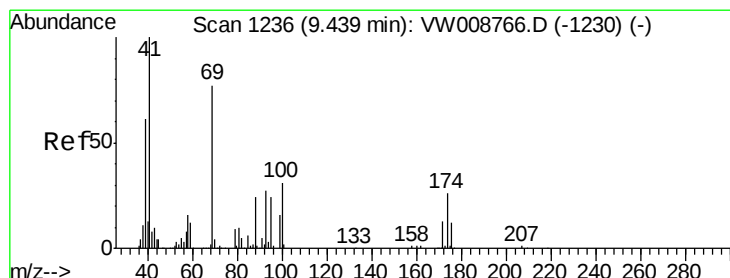
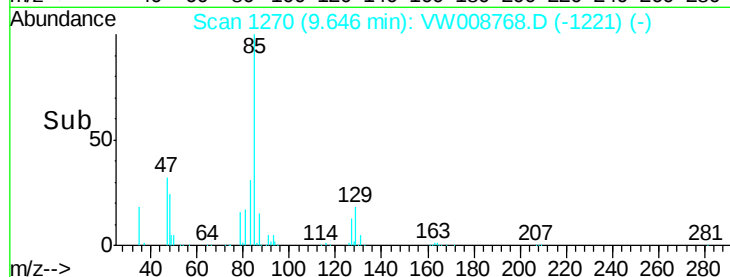
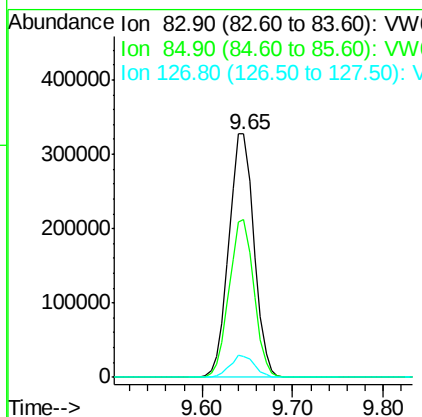
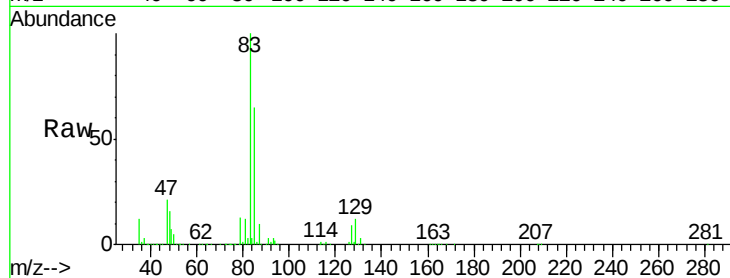
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	631164
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.5	78.7
127	8.5	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 165.137 ug/l

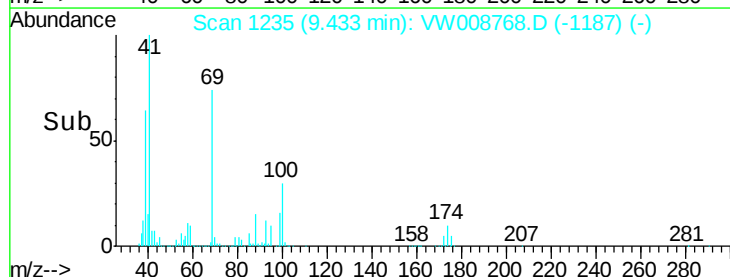
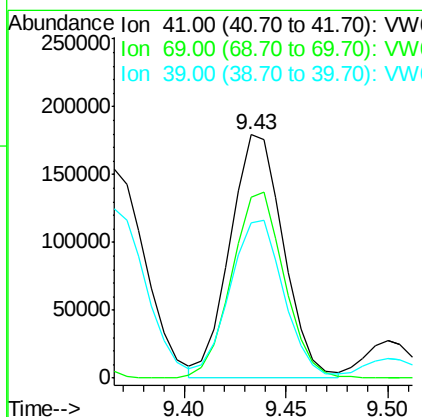
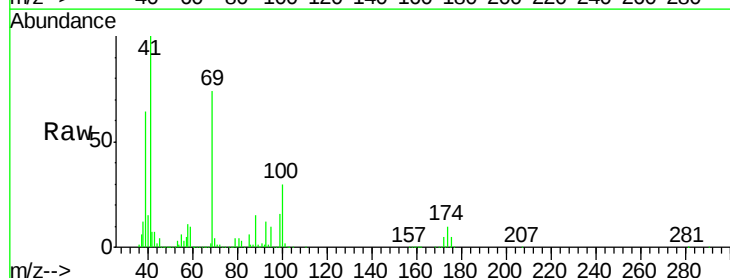
RT: 9.43 min Scan# 1235

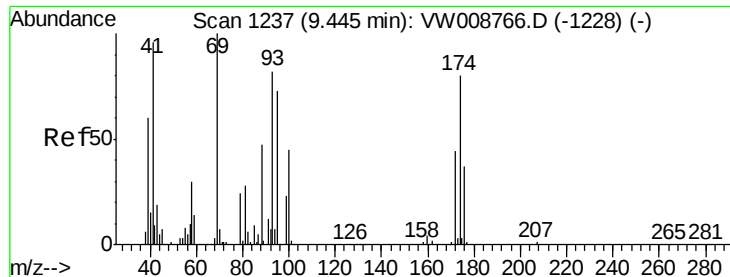
Delta R.T. -0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion:	41	Resp:	325799
Ion Ratio	Lower	Upper	
41	100		
69	75.3	63.6	95.4
39	62.3	52.1	78.1





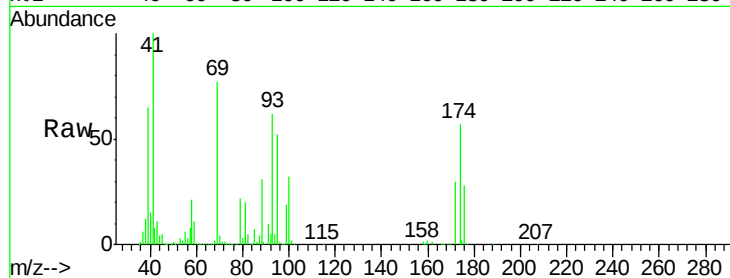
#49
1,4-Dioxane
Concen: 3086.801 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

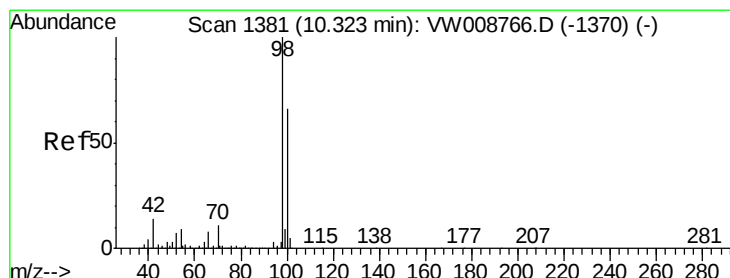
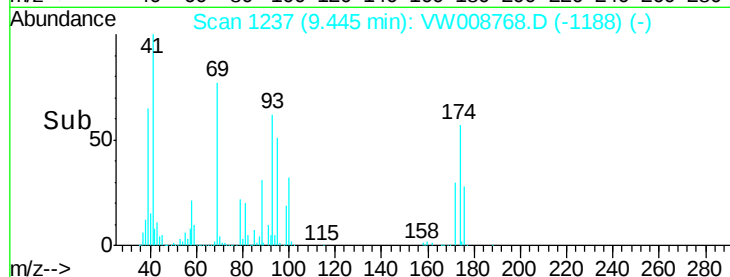
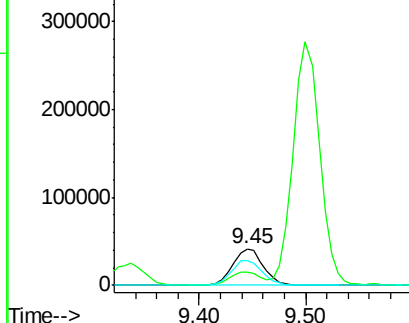
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	29.0	43.4
58	70.0	52.0	78.0

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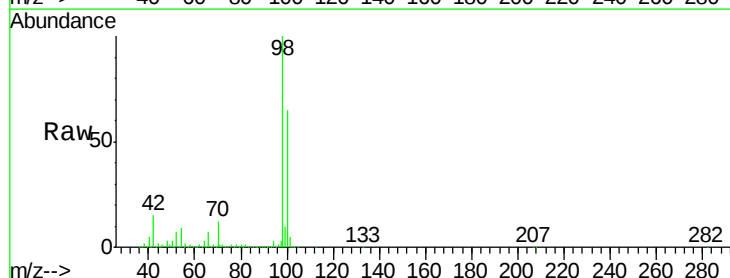


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

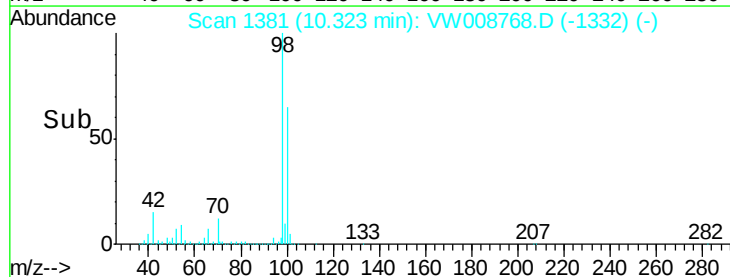
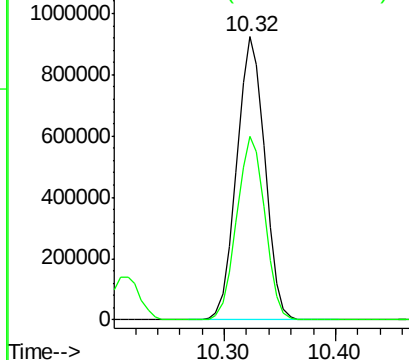


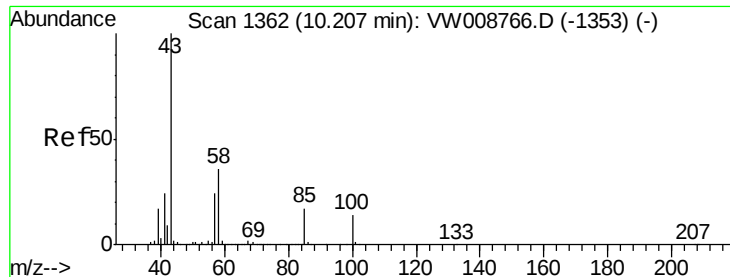
#50
Toluene-d8
Concen: 152.563 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 809.234 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 1692398

Ion Ratio Lower Upper

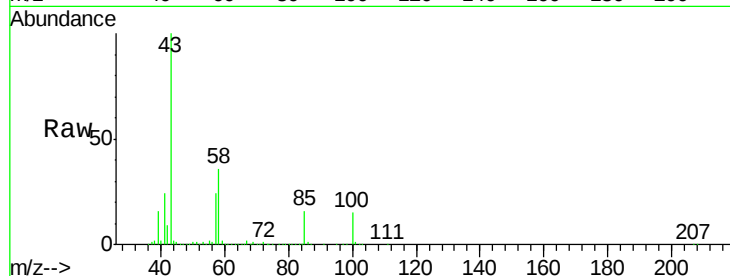
43 100

58 36.4 29.1 43.7

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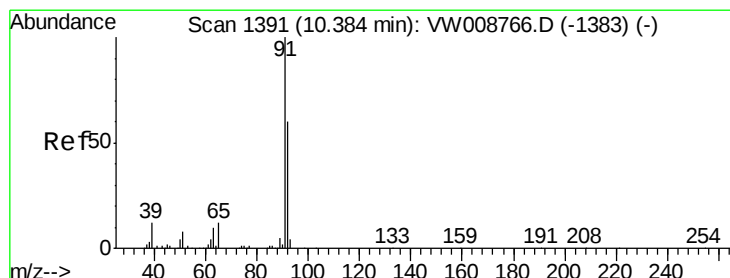
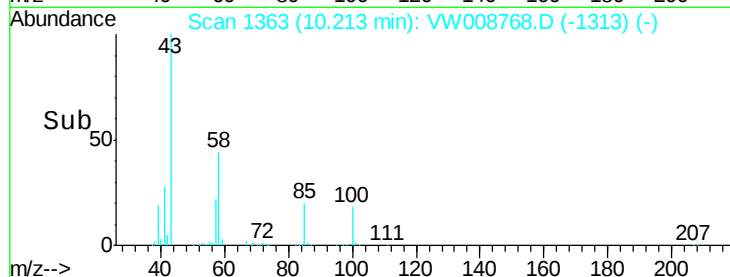
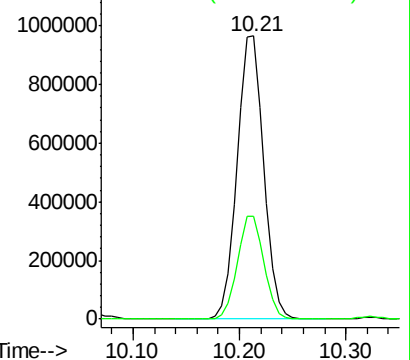
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 148.838 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008768.D

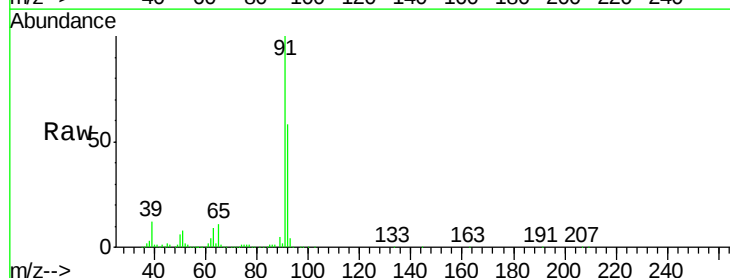
Acq: 21 Feb 2019 13:04

Tgt Ion: 92 Resp: 1224104

Ion Ratio Lower Upper

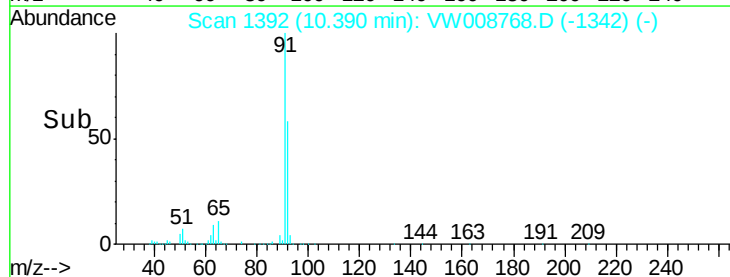
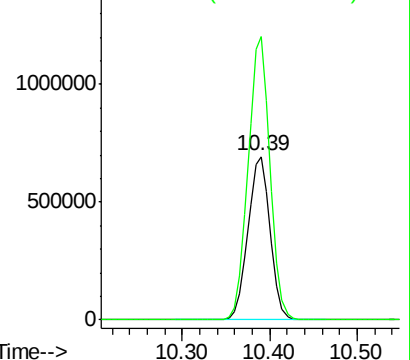
92 100

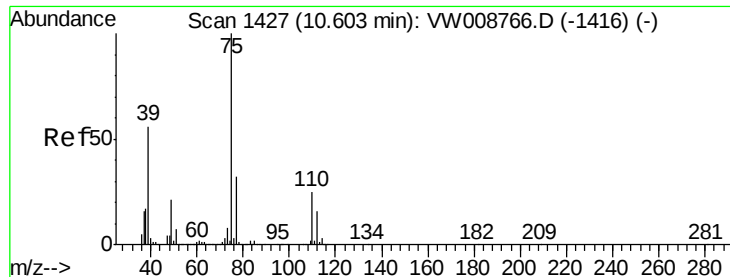
91 171.0 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





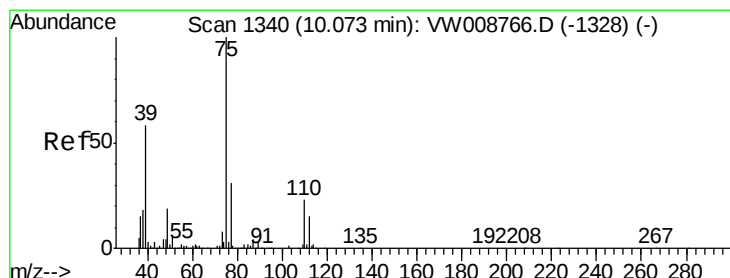
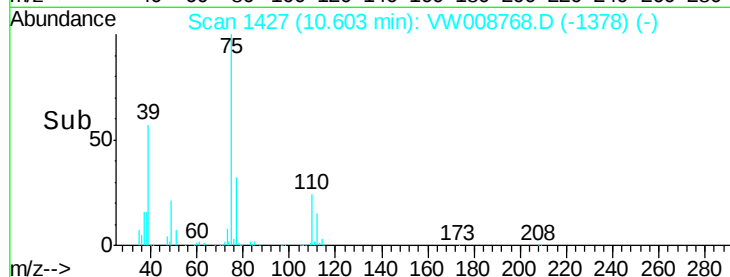
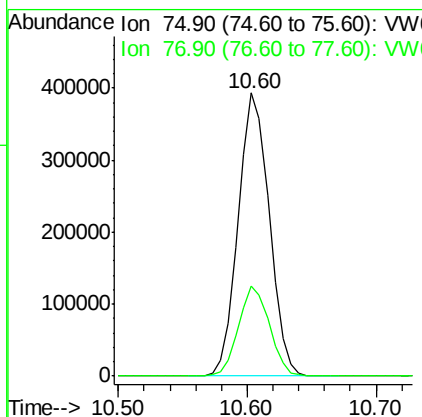
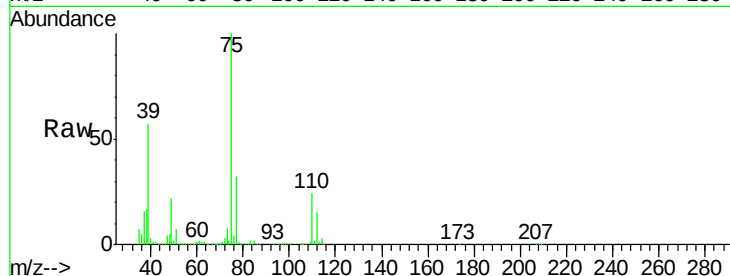
#53
t-1,3-Dichloropropene
Concen: 159.312 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.1	39.1

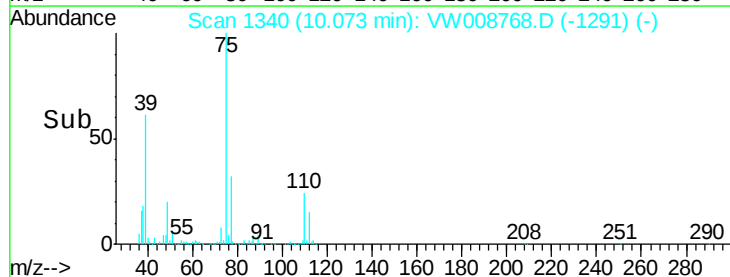
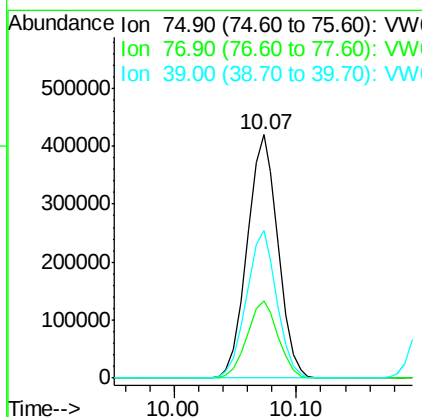
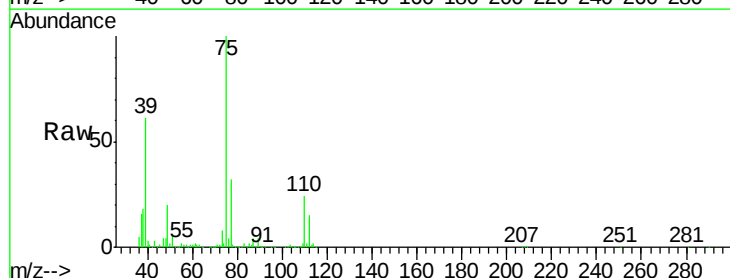
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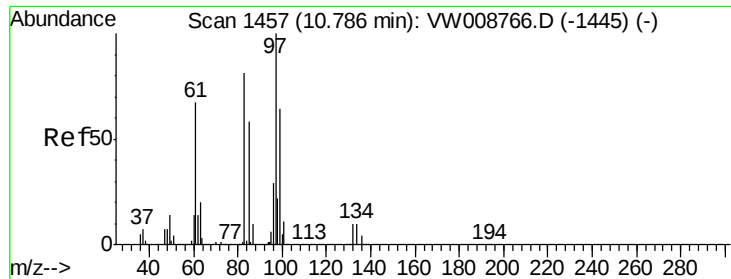
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#54
cis-1,3-Dichloropropene
Concen: 155.567 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	60.5	46.6	70.0





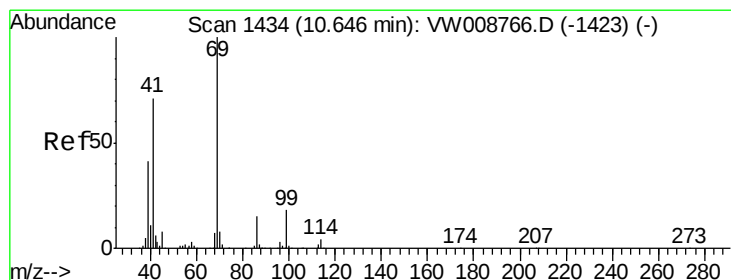
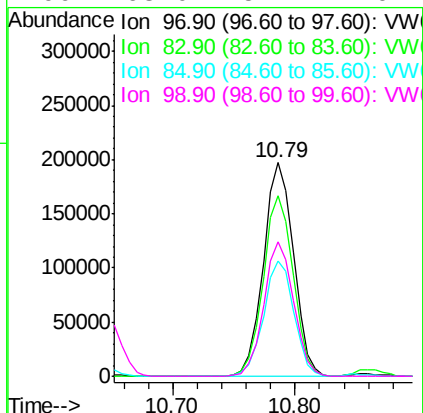
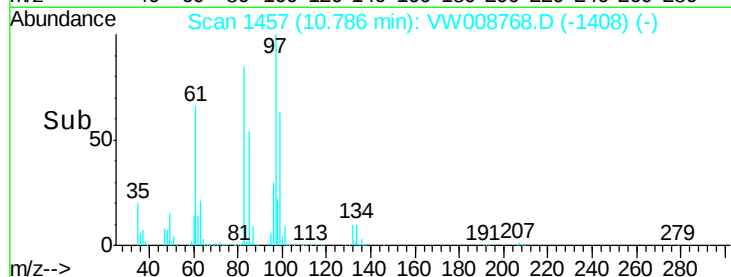
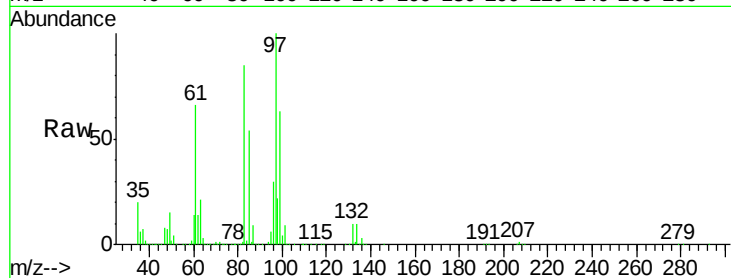
#55
 1,1,2-Trichloroethane
 Concen: 149.703 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	97	Resp	338175
Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.0	97.6
85	53.8	46.0	69.0
99	63.0	51.1	76.7

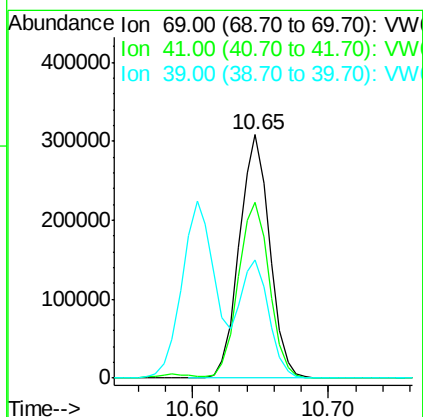
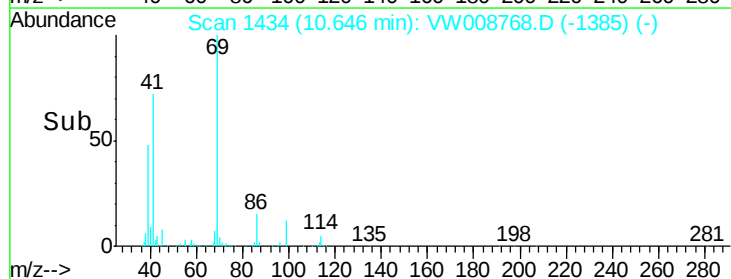
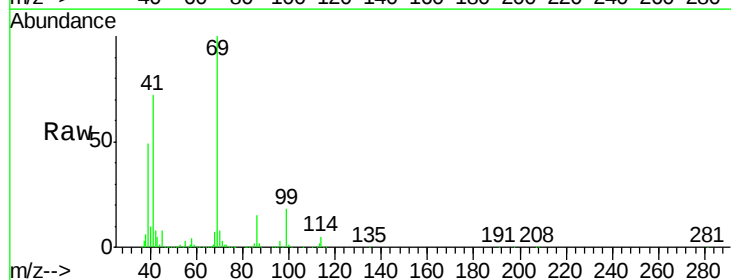
Manual Integrations
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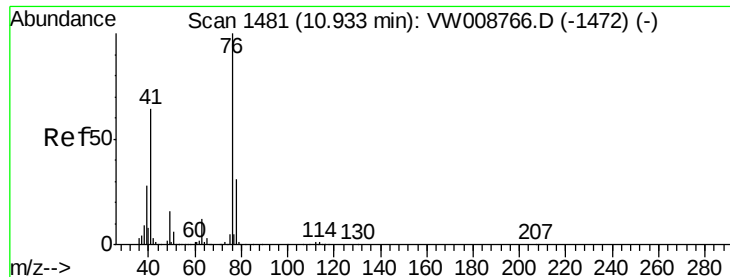
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#56
 Ethyl methacrylate
 Concen: 163.059 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion	69	Resp	478559
Ion	Ratio	Lower	Upper
69	100		
41	73.8	57.4	86.0
39	45.5	34.8	52.2





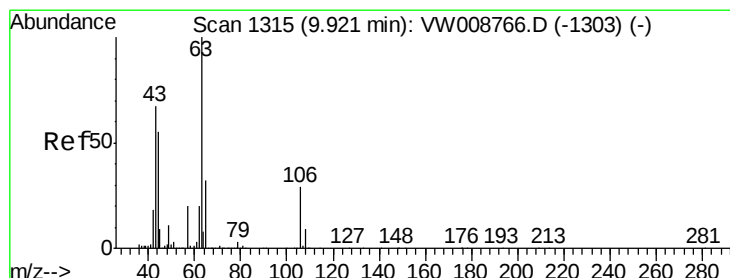
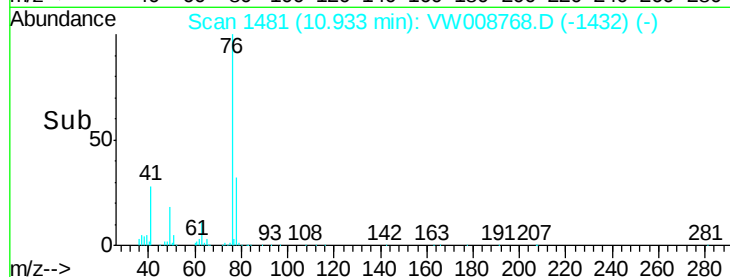
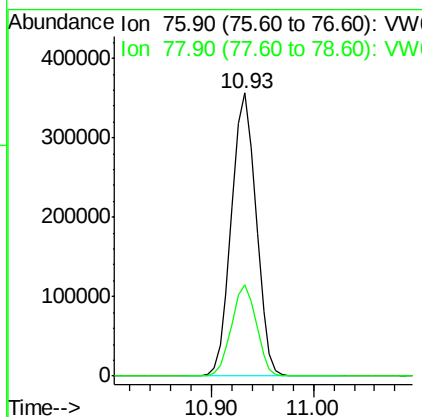
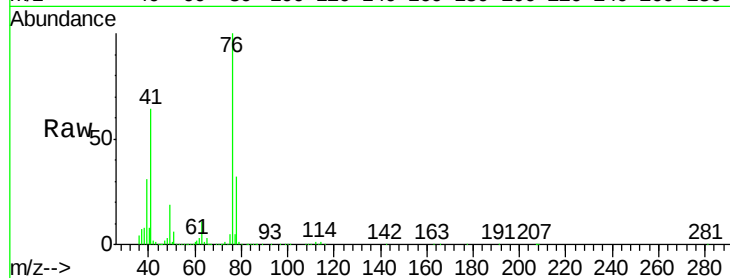
#57
 1,3-Dichloropropane
 Concen: 149.316 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Tot Ion: 76 Resp: 595542
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

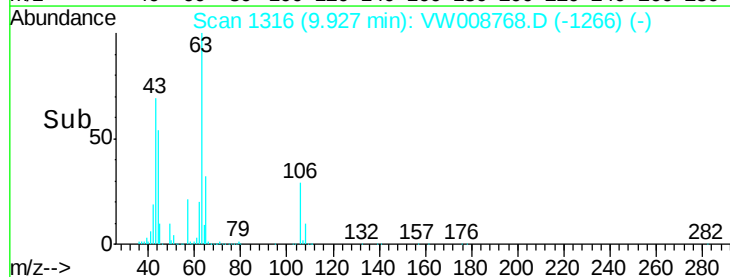
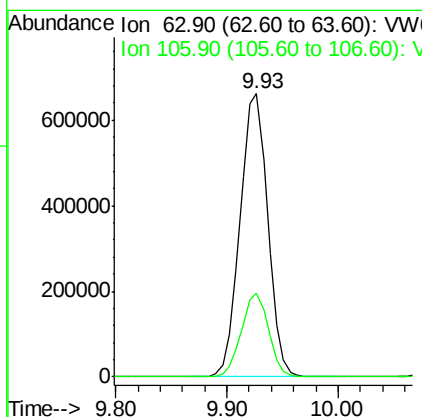
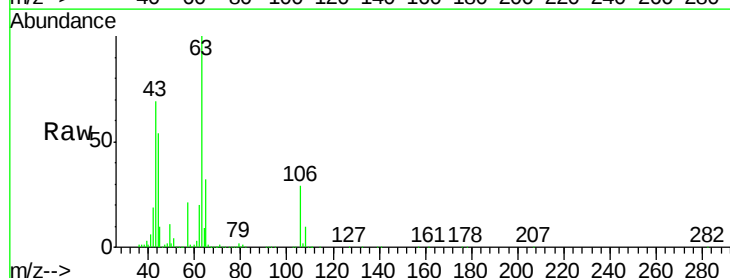
Manual Integrations
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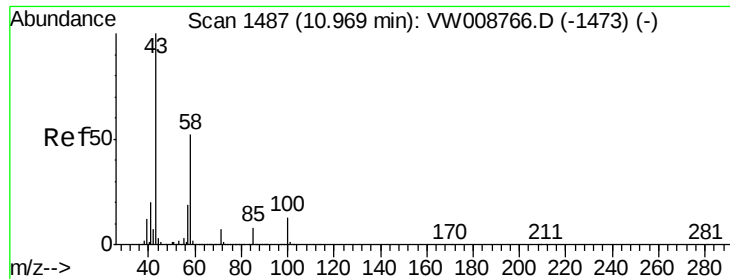
MMDadoda
 2/22/2019 12:25:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 774.760 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 63 Resp: 1143611
 Ion Ratio Lower Upper
 63 100
 106 29.0 24.0 36.0





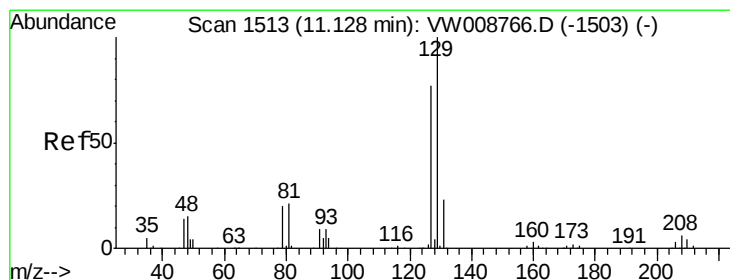
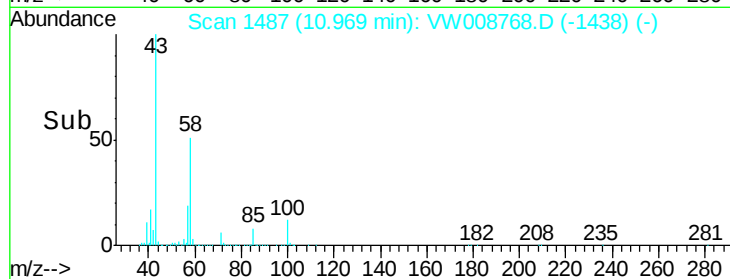
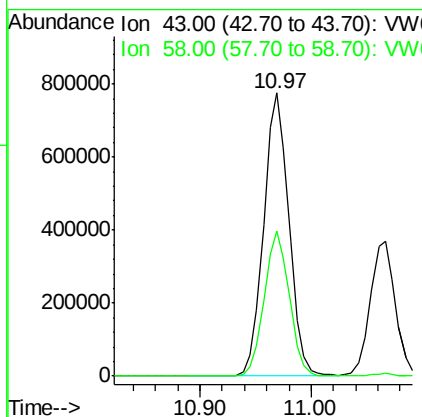
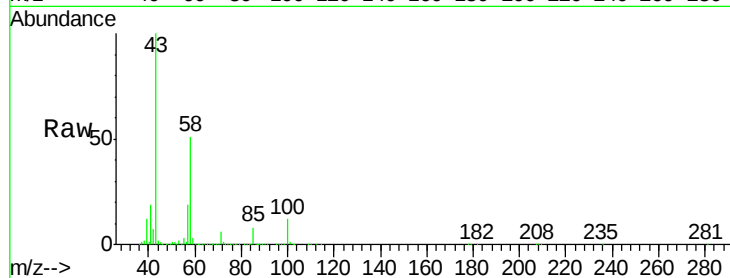
#59
2-Hexanone
Concen: 825.432 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1228835
Ion Ratio Lower Upper
43 100
58 50.6 25.3 75.8

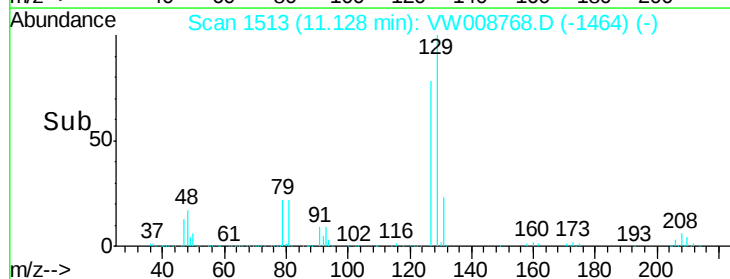
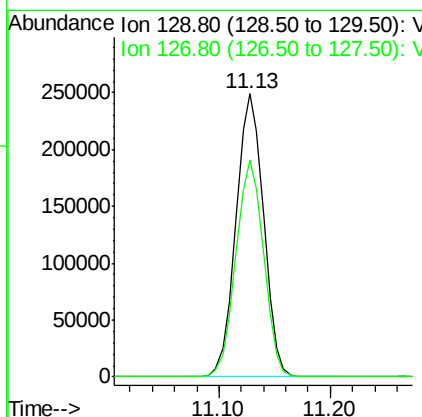
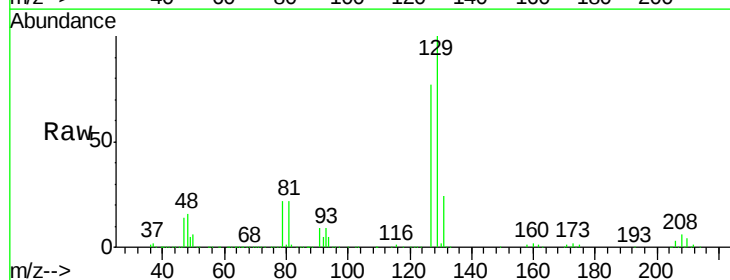
Manual Integrations
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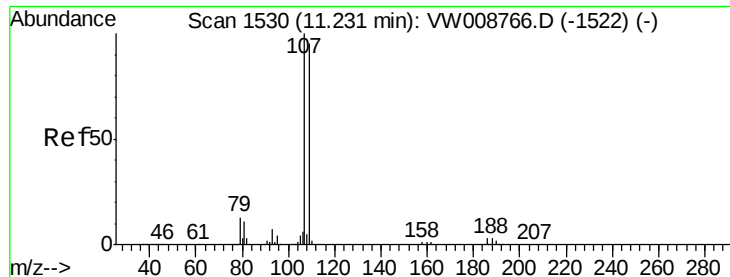
MMDadoda
2/22/2019 12:25:32 PM



#60
Dibromochloromethane
Concen: 154.742 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 129 Resp: 426365
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 149.166 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 333539

Ion Ratio Lower Upper

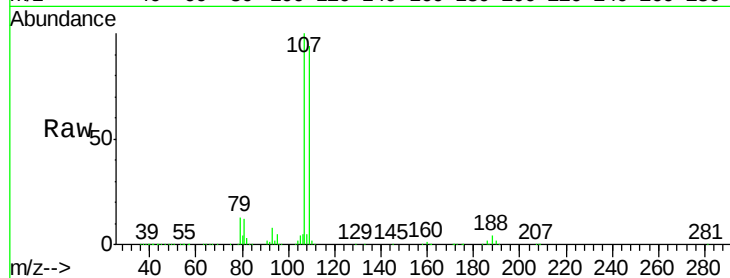
107 100

109 94.0 75.6 113.4

Manual Integrations
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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

200000

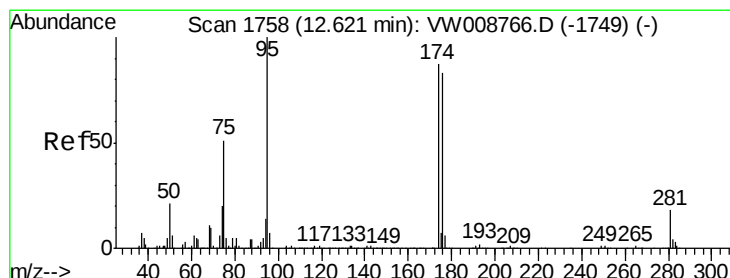
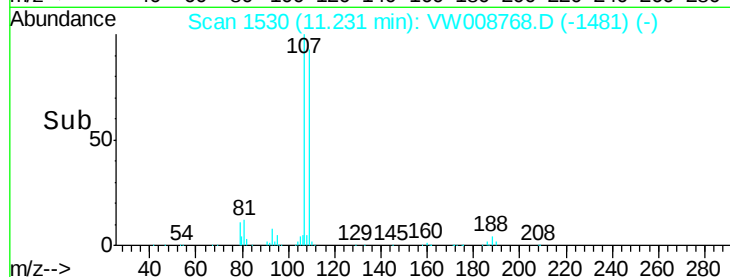
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 152.747 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

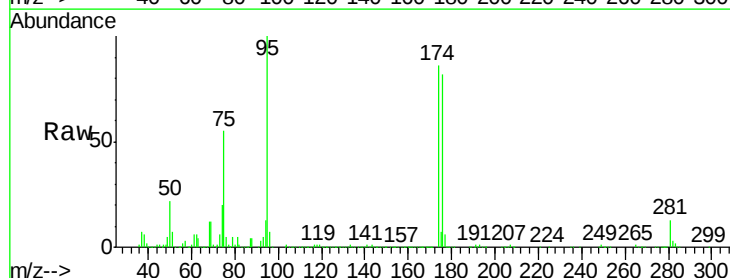
Tgt Ion: 95 Resp: 632039

Ion Ratio Lower Upper

95 100

174 82.9 0.0 169.2

176 80.3 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

500000

400000

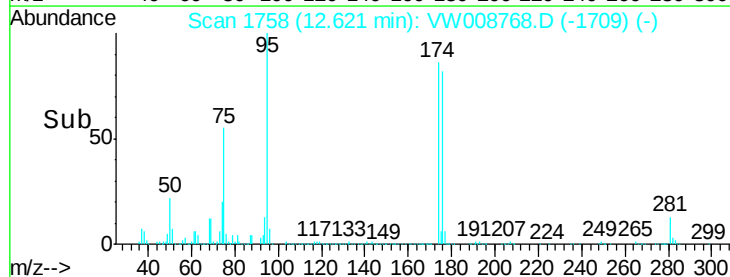
300000

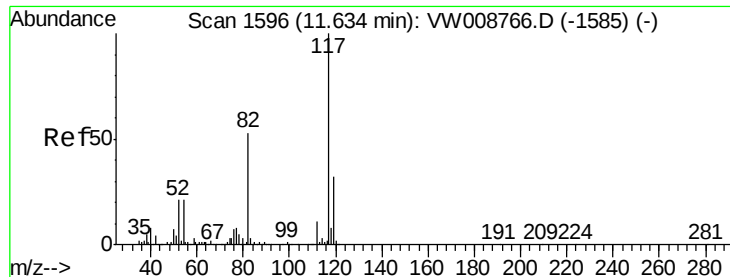
200000

100000

0

Time-->





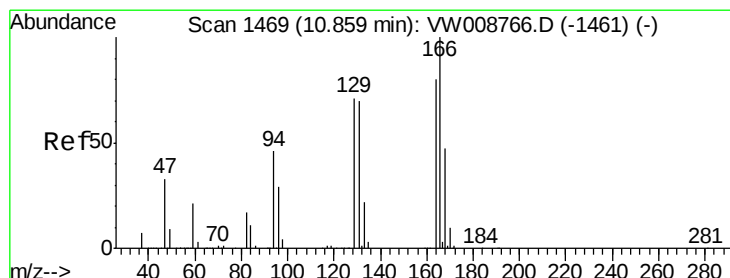
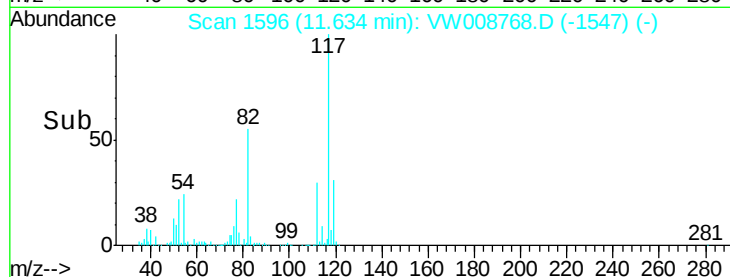
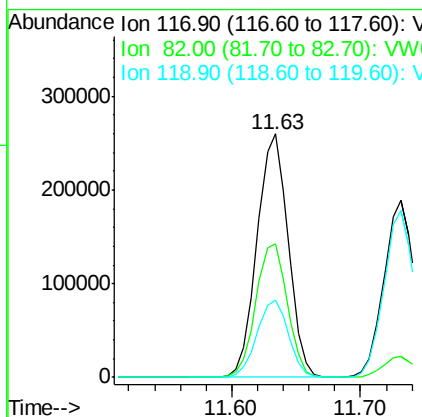
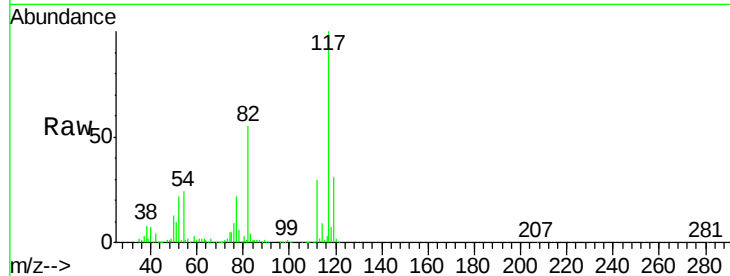
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.2	63.4
119	31.4	25.9	38.9

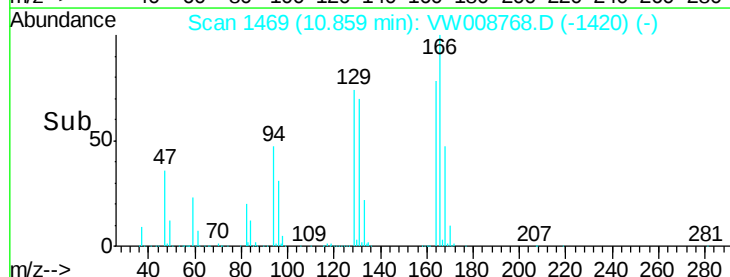
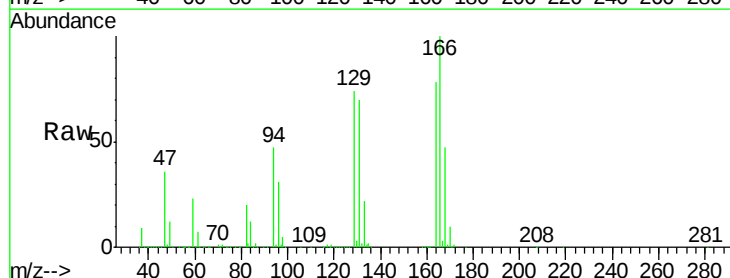
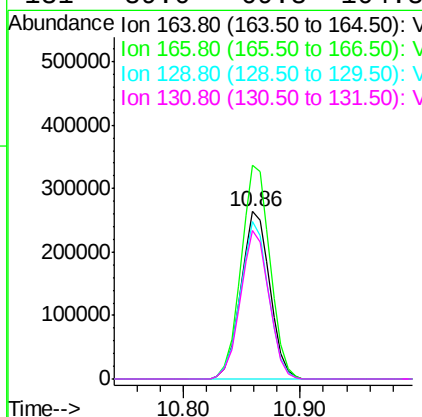
Manual Integrations
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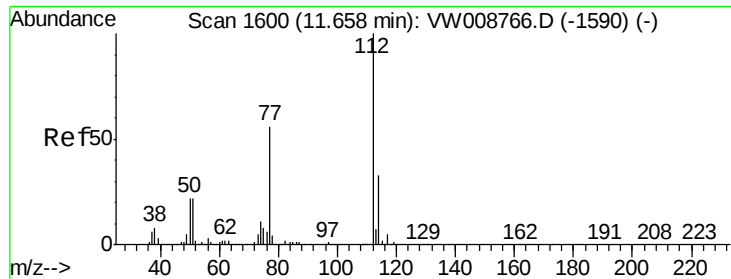
MMDadoda
2/22/2019 12:25:32 PM



#64
Tetrachloroethene
Concen: 146.731 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	99.5	149.3
129	93.8	71.1	106.7
131	89.0	69.8	104.8





#65

Chlorobenzene

Concen: 146.088 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1333999

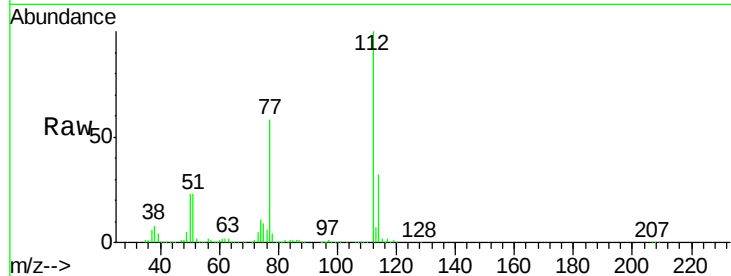
Ion Ratio Lower Upper

112 100

114 31.9 26.6 40.0

Manual Integrations
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2/22/2019 12:25:32 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

800000

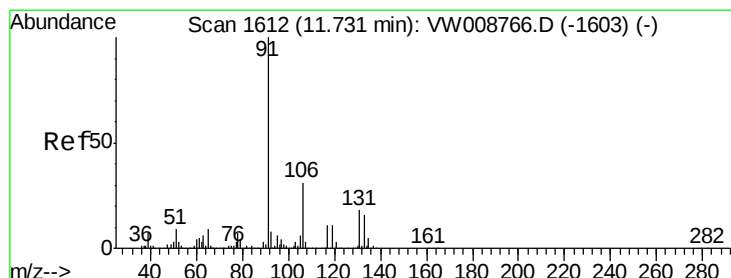
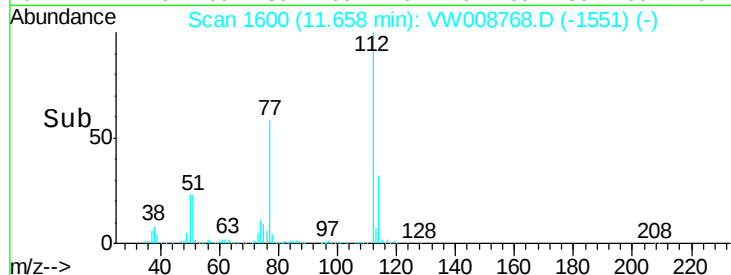
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 153.174 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

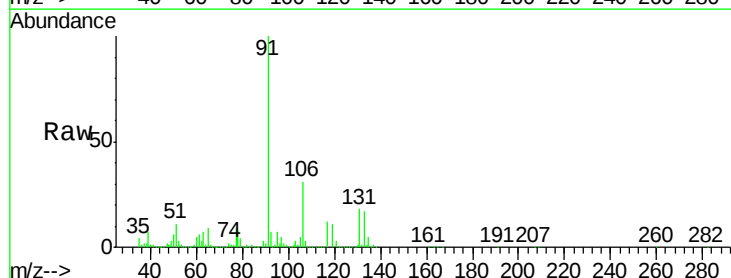
Tgt Ion:131 Resp: 472938

Ion Ratio Lower Upper

131 100

133 94.2 46.7 140.0

119 62.3 30.8 92.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

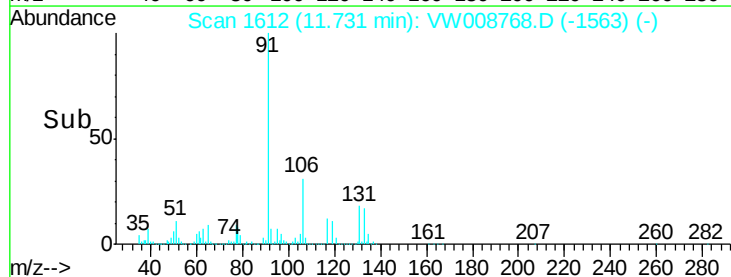
300000

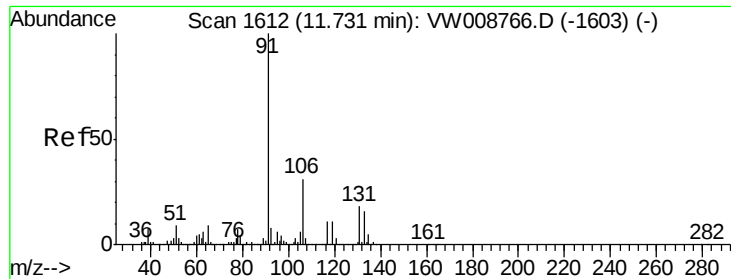
200000

100000

0

Time-->





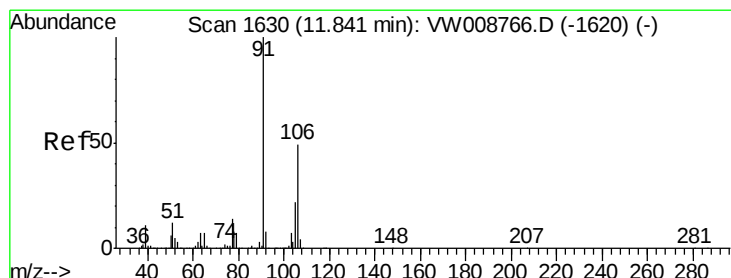
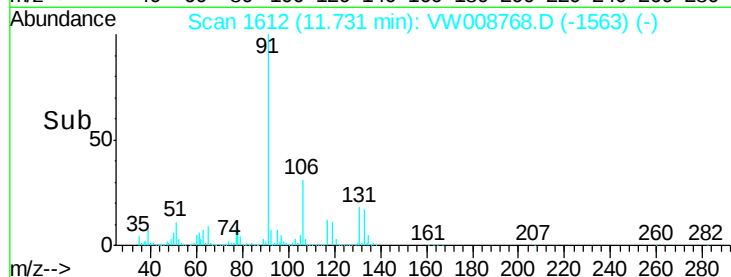
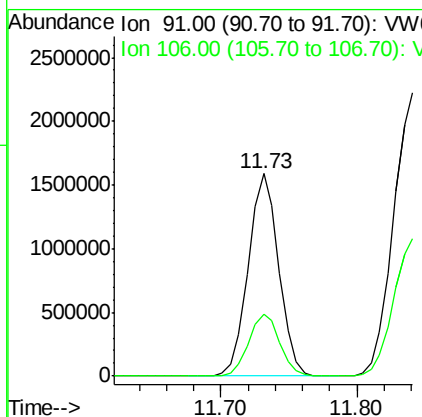
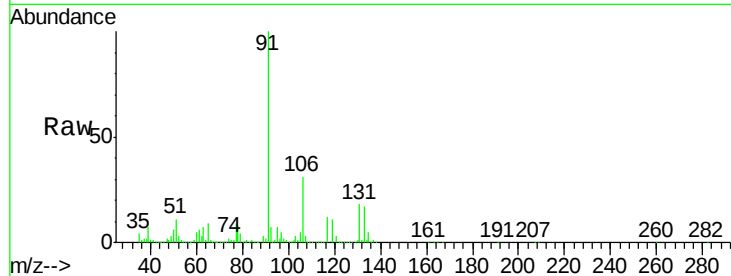
#67
Ethyl Benzene
Concen: 152.884 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2495676
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6

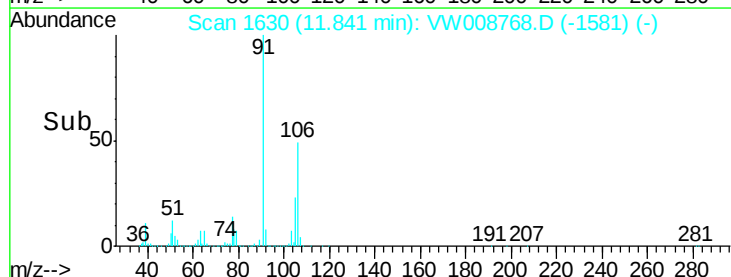
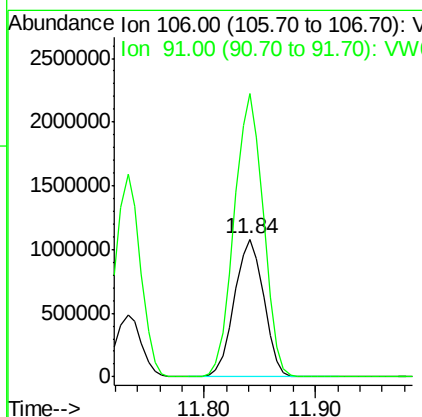
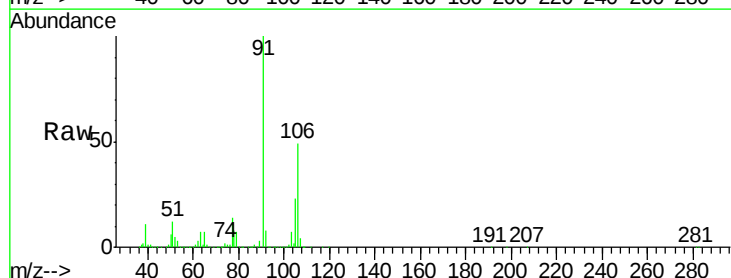
Manual Integrations
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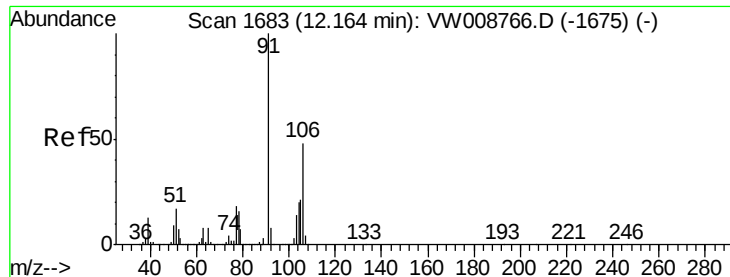
MMDadoda
2/22/2019 12:25:32 PM



#68
m/p-Xylenes
Concen: 302.805 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 106 Resp: 1974977
Ion Ratio Lower Upper
106 100
91 203.6 161.5 242.3





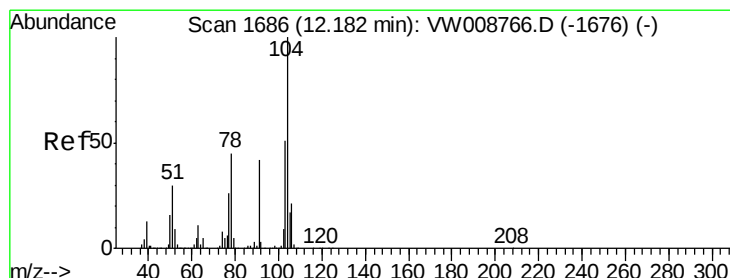
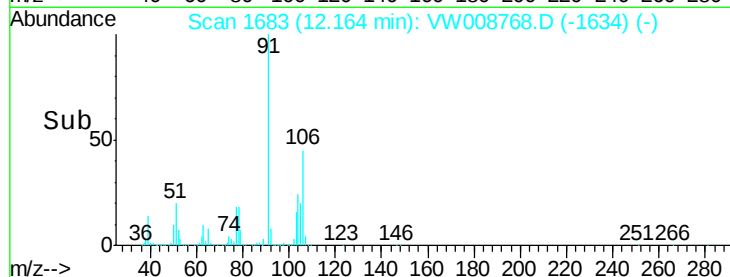
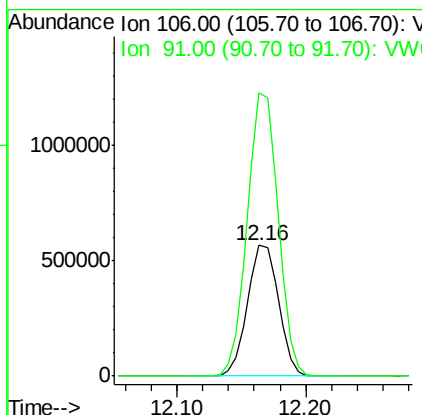
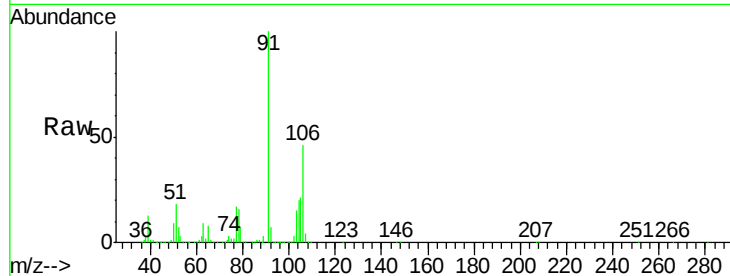
#69
o-Xylene
Concen: 154.034 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.9	106.2	318.6

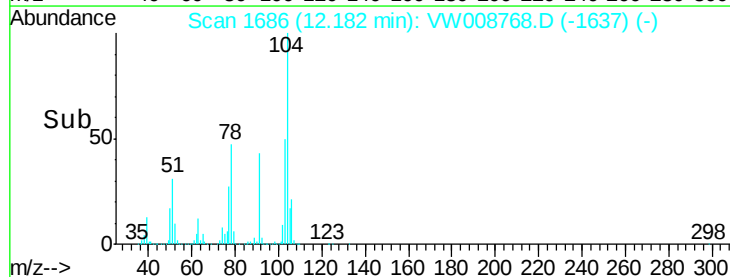
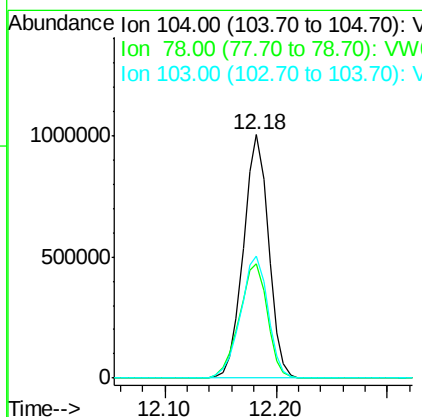
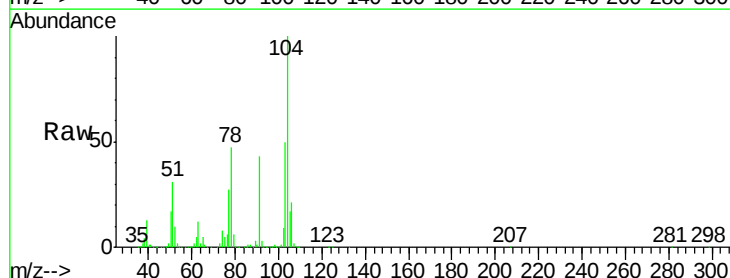
Manual Integrations
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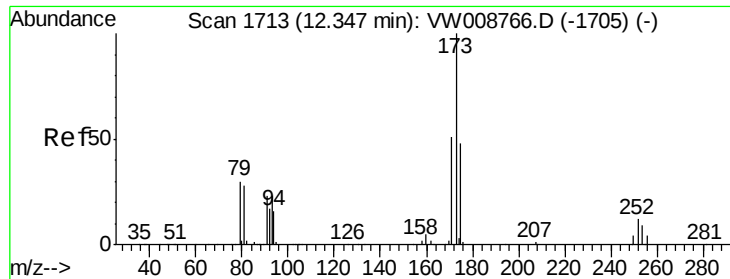
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2/22/2019 12:25:32 PM



#70
Styrene
Concen: 160.368 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	40.8	61.2
103	54.6	44.2	66.2





#71

Bromoform

Concen: 163.879 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

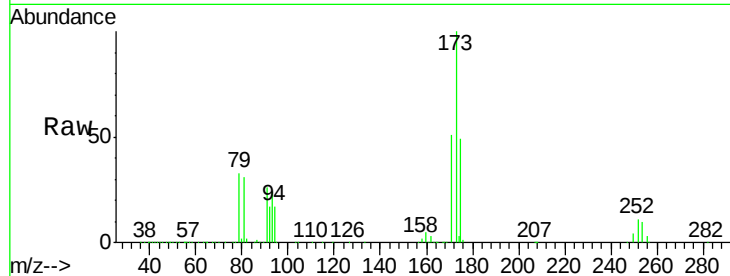
ClientSampleId :

VSTDIC150

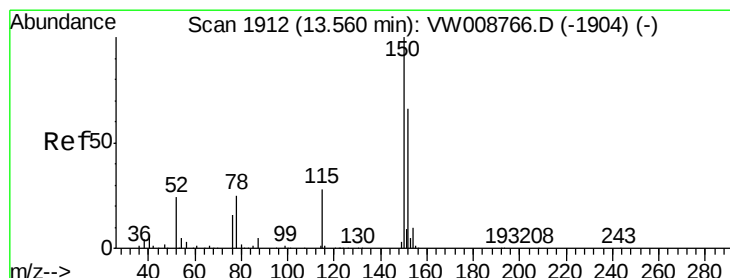
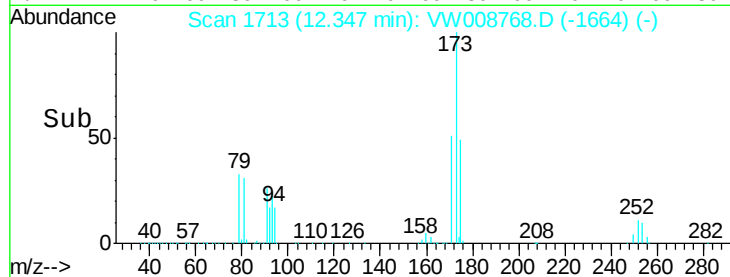
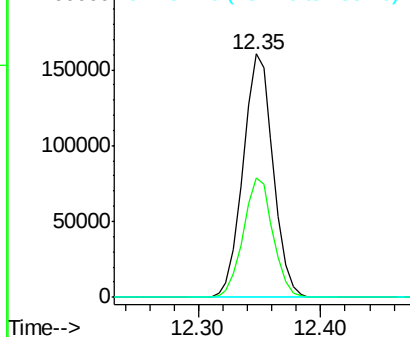
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.1	0.2	0.4

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

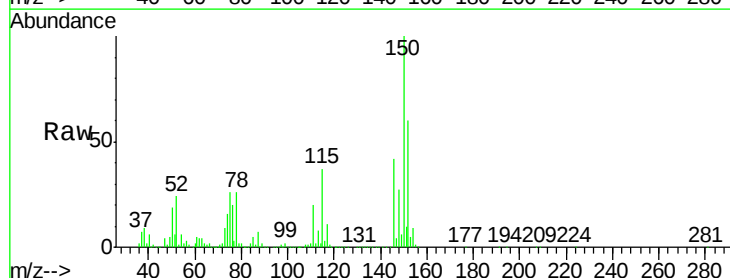
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

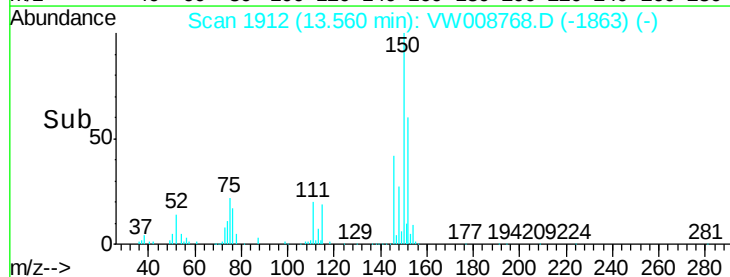
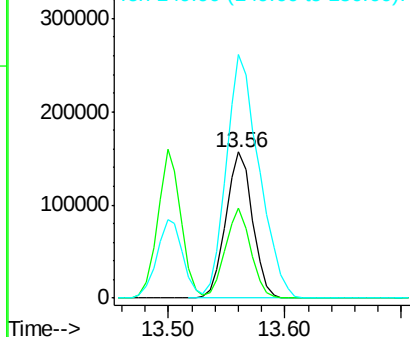
Lab File: VW008768.D

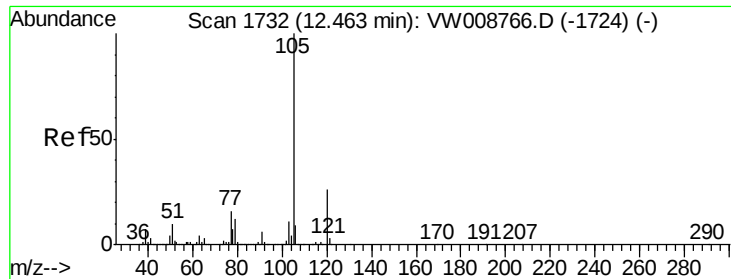
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.6	85.8
150	205.1	0.0	348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





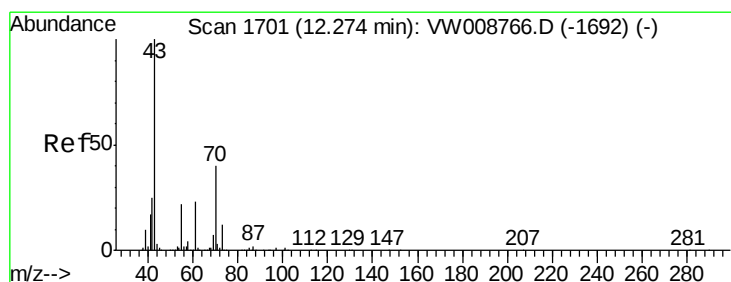
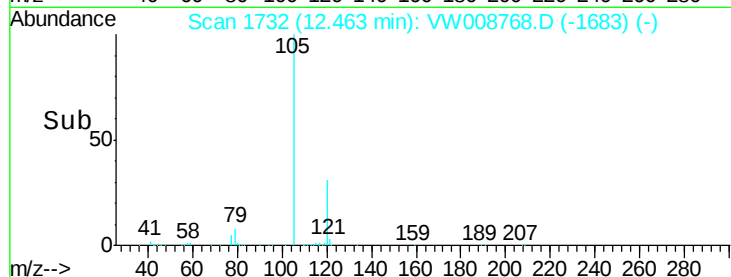
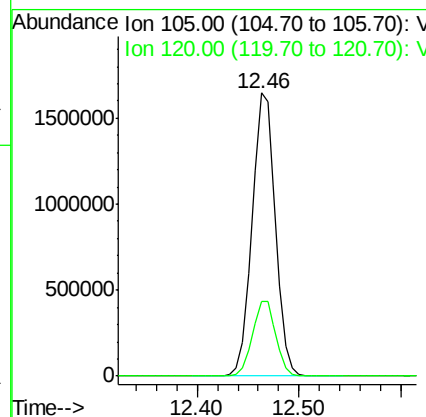
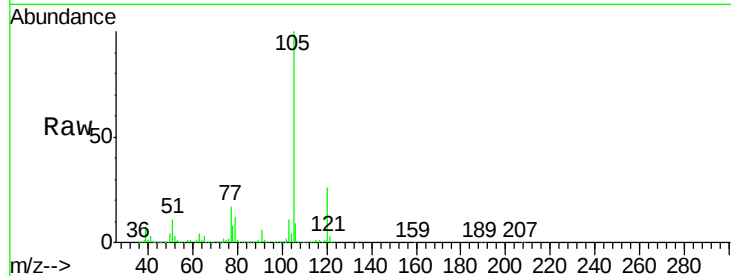
#73
Isopropylbenzene
Concen: 153.971 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 2621553
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9

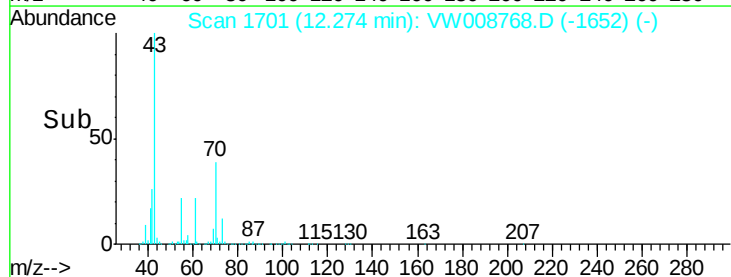
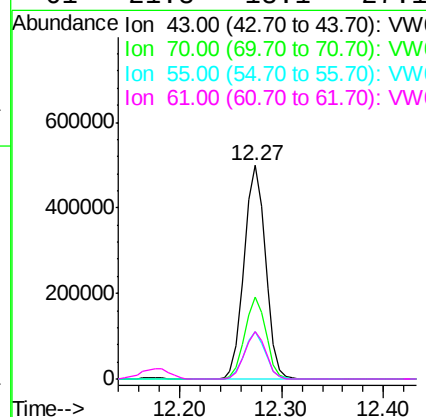
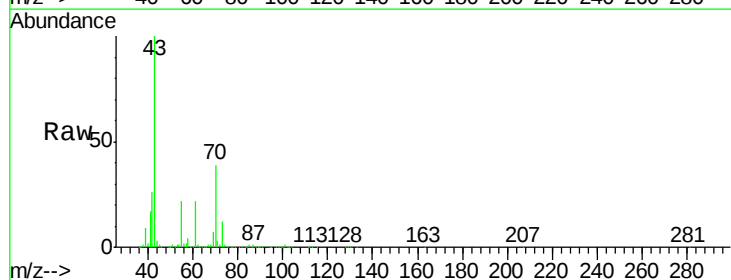
Manual Integrations
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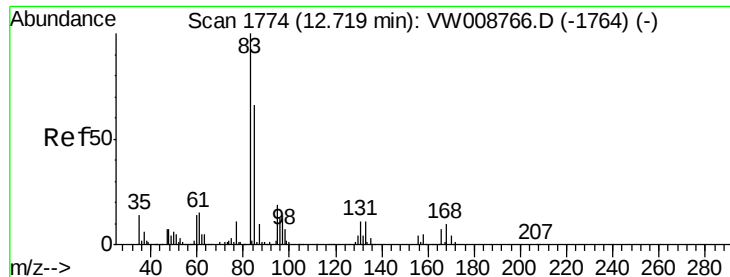
MMDadoda
2/22/2019 12:25:32 PM



#74
N-ethyl acetate
Concen: 168.434 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 43 Resp: 722377
Ion Ratio Lower Upper
43 100
70 38.0 31.0 46.6
55 21.9 18.7 28.1
61 21.8 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 151.886 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 422549
Ion Ratio Lower Upper

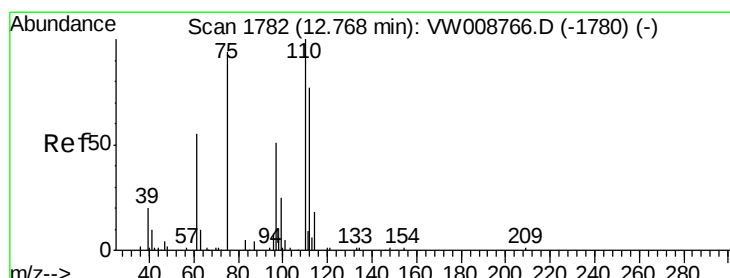
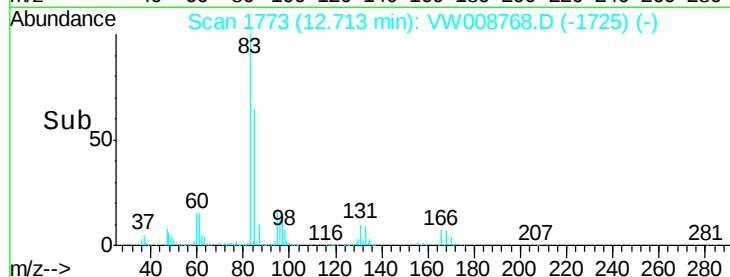
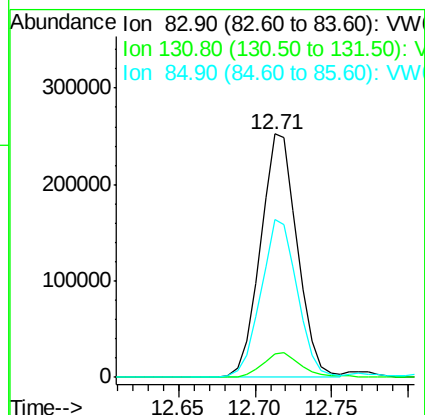
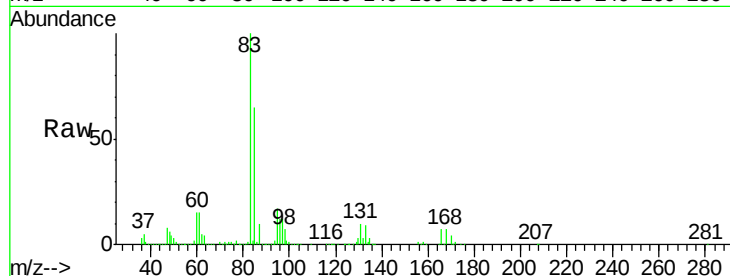
83 100

131 10.7 5.5 16.7

85 64.1 33.0 98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 139.976 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

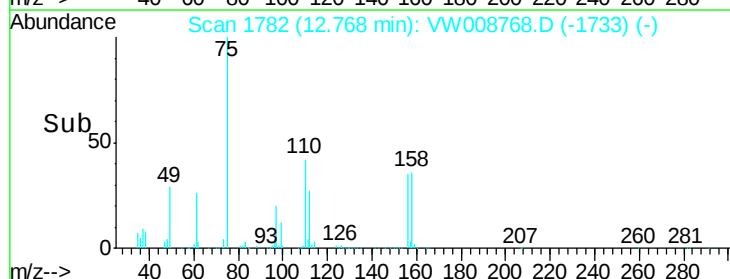
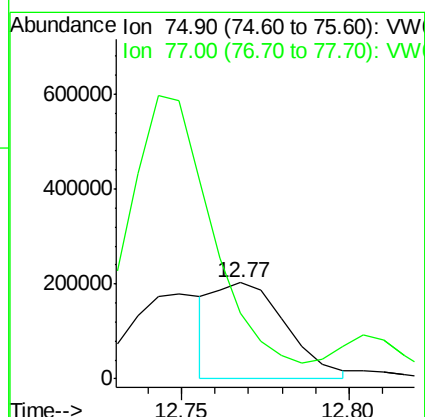
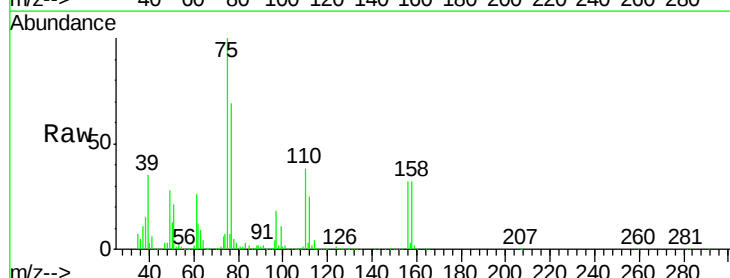
Lab File: VW008768.D

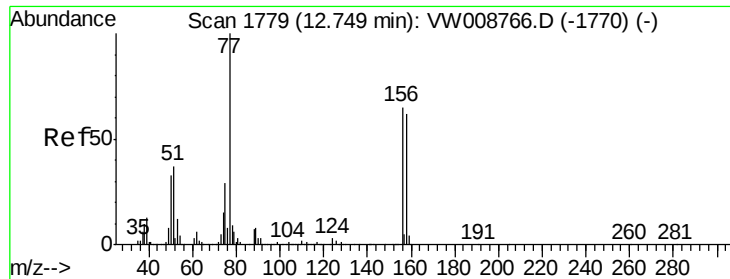
Acq: 21 Feb 2019 13:04

Tgt Ion: 75 Resp: 300772
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 143.418 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

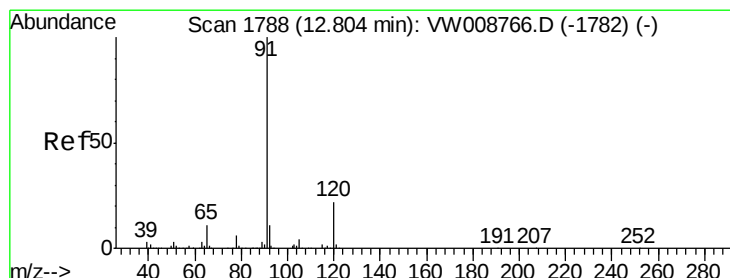
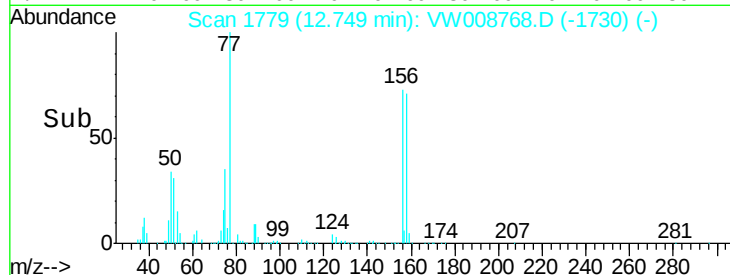
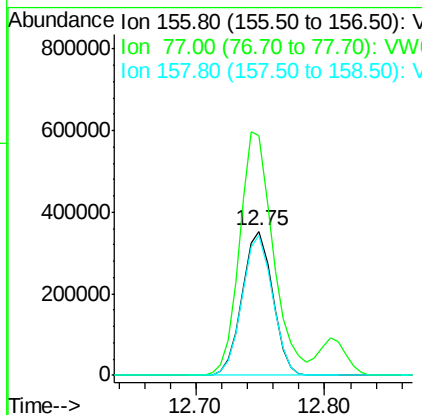
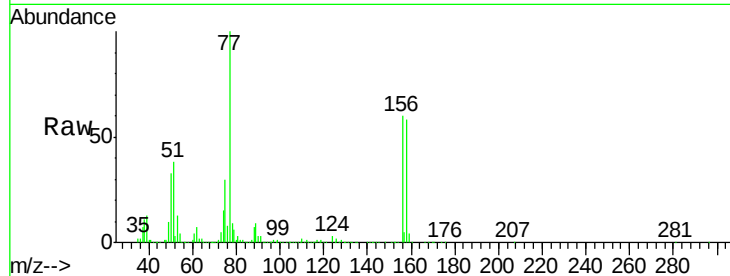
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	577040
Ion Ratio	Lower	Upper	
156	100		
77	186.1	89.1	267.4
158	96.5	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 154.313 ug/l

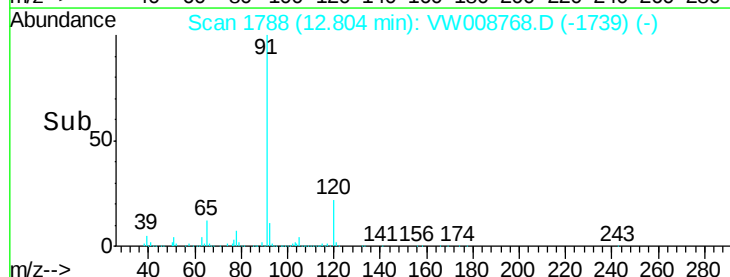
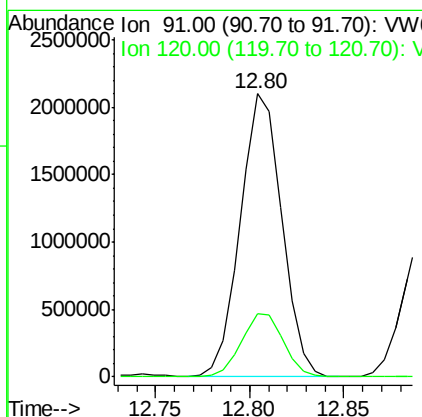
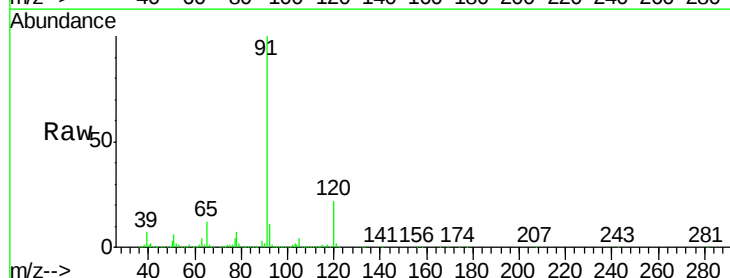
RT: 12.80 min Scan# 1788

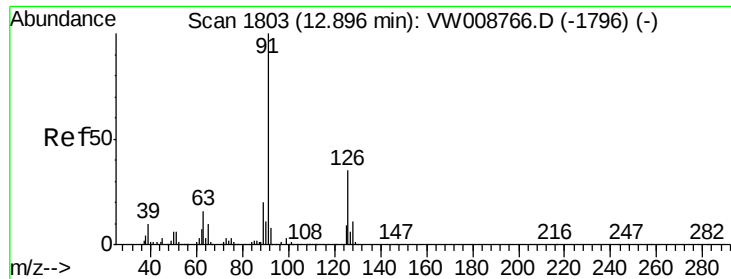
Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion:	91	Resp:	3213877
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.5	34.4





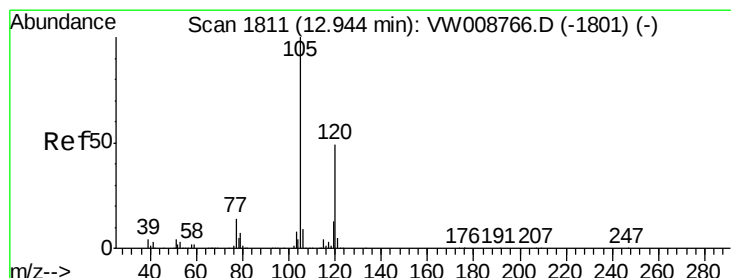
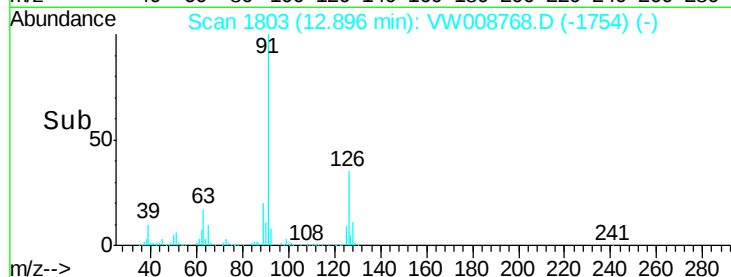
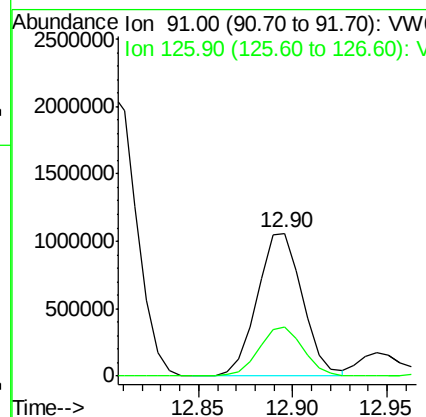
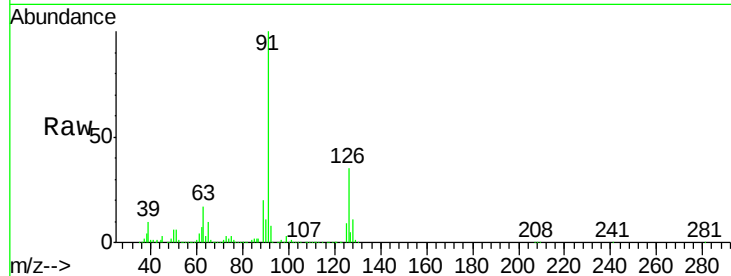
#79
 2-Chlorotoluene
 Concen: 149.388 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1766470
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.0 51.0

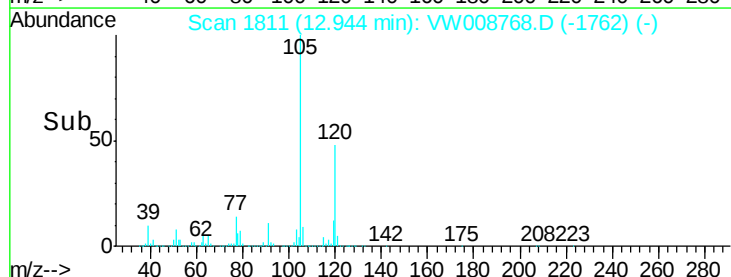
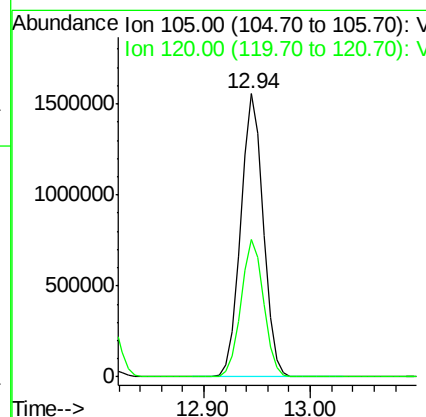
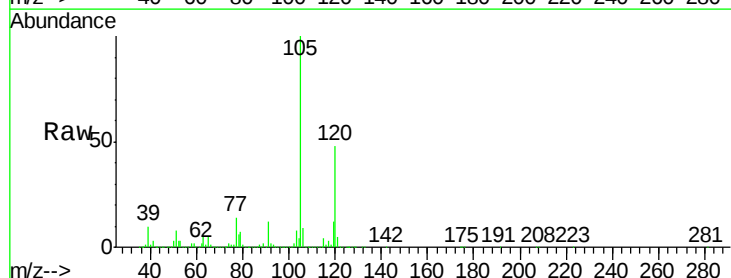
Manual Integrations
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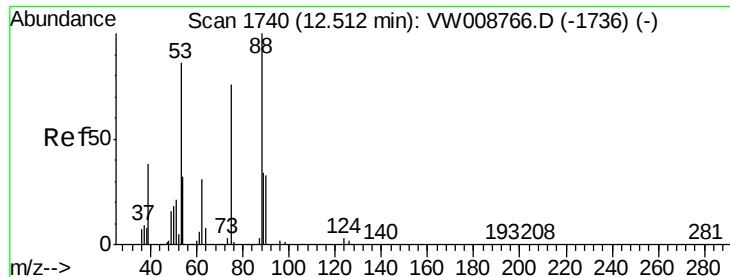
MMDadoda
 2/22/2019 12:25:32 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 156.390 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion: 105 Resp: 2313972
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 169.260 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

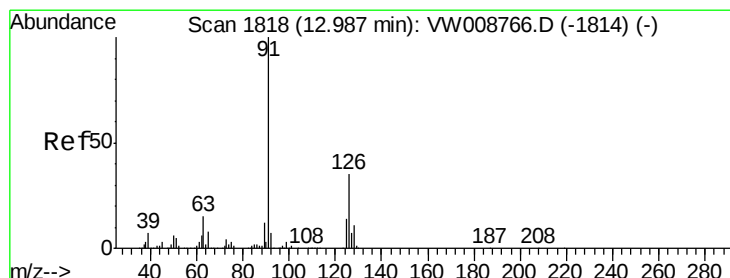
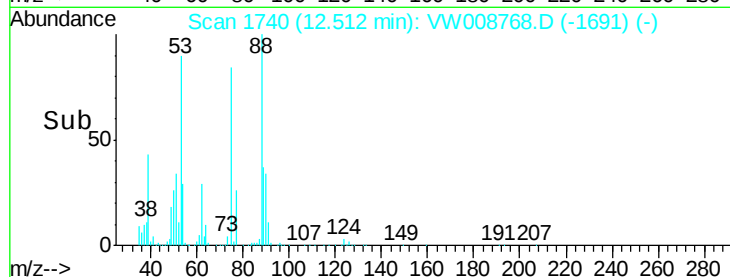
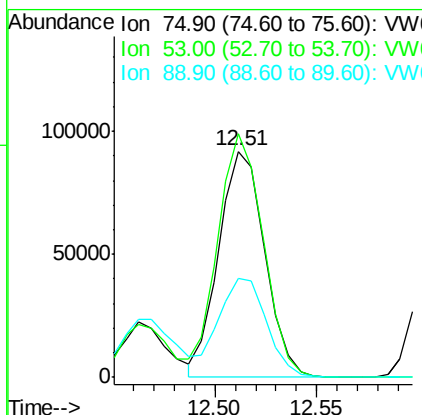
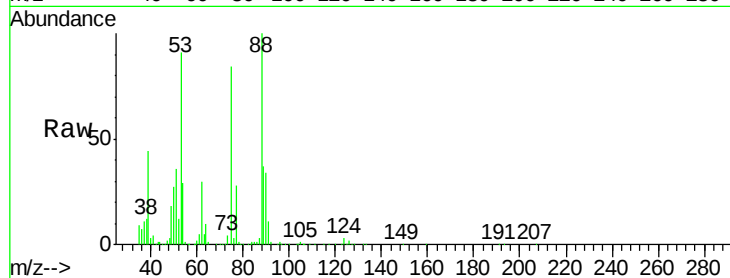
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	142767
Ion Ratio	Lower	Upper	
75	100		
53	108.7	88.2	132.2
89	47.1	39.5	59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 152.098 ug/l

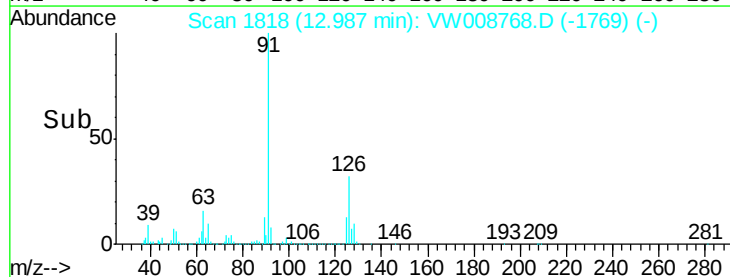
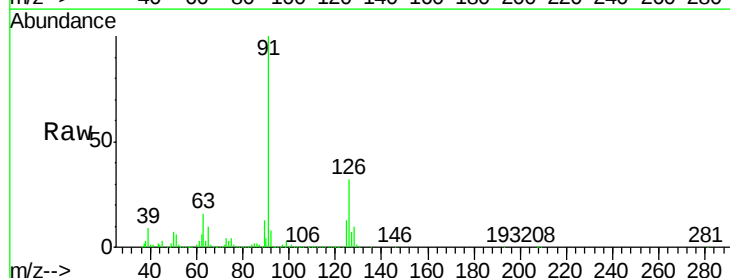
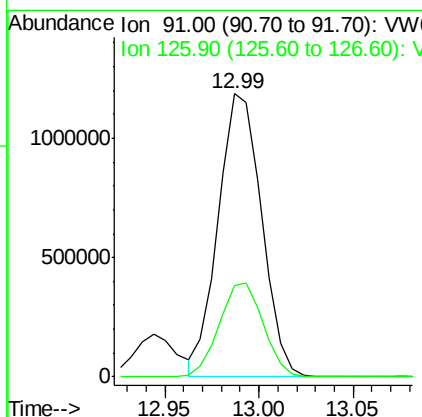
RT: 12.99 min Scan# 1818

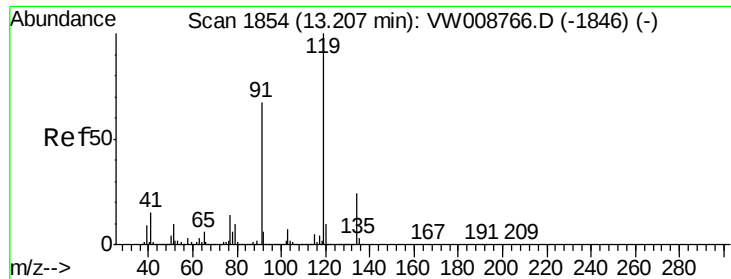
Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Tgt Ion:	91	Resp:	1895272
Ion Ratio	Lower	Upper	
91	100		
126	33.7	17.2	51.6





#83

tert-Butylbenzene

Concen: 152.753 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1954266

Ion Ratio Lower Upper

119 100

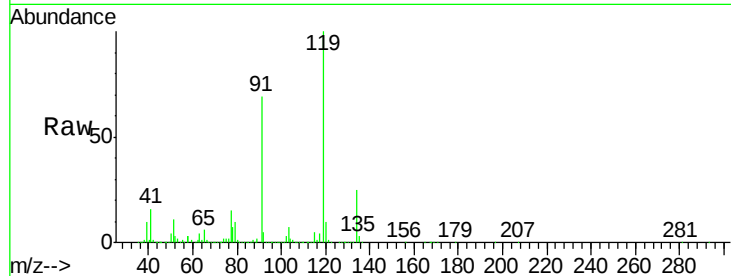
91 69.1 33.6 100.8

134 27.5 13.7 41.1

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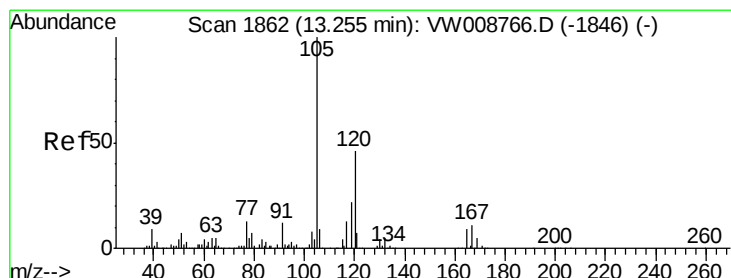
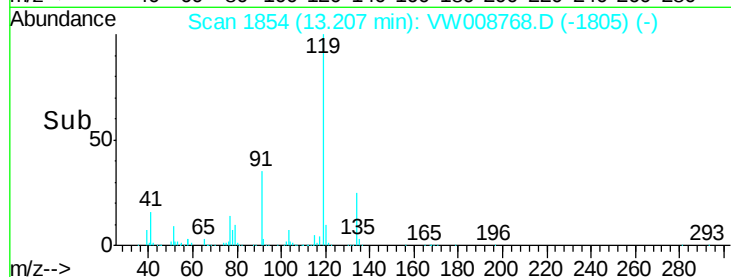
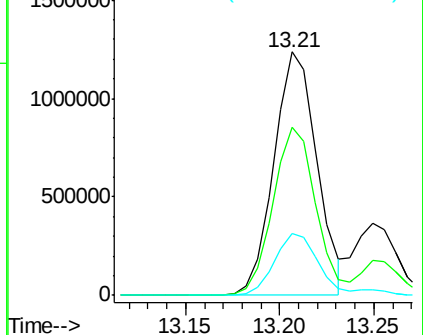
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 157.327 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008768.D

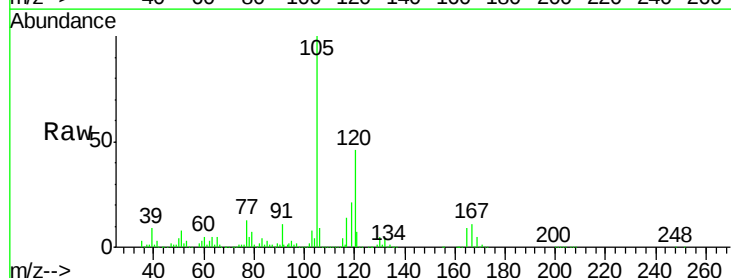
Acq: 21 Feb 2019 13:04

Tgt Ion:105 Resp: 2409679

Ion Ratio Lower Upper

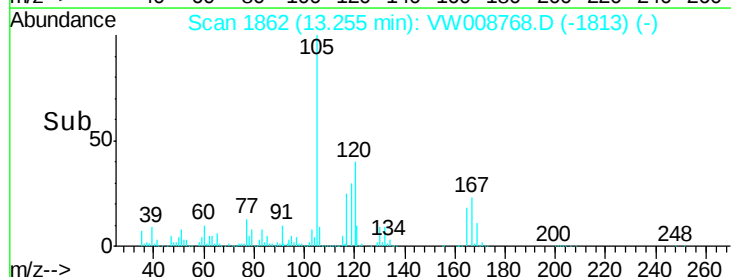
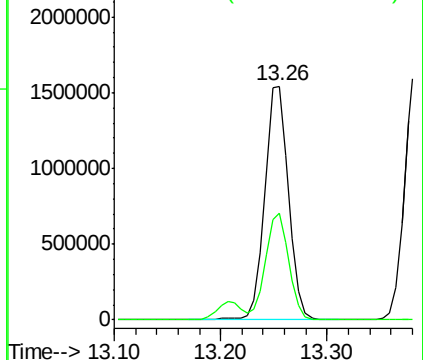
105 100

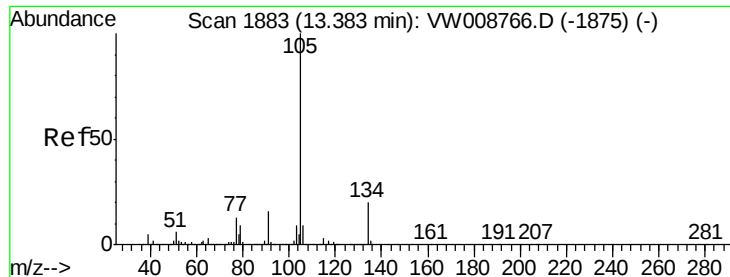
120 44.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 156.177 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2873043

Ion Ratio Lower Upper

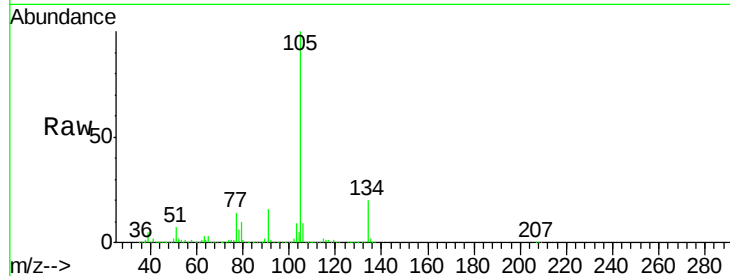
105 100

134 20.3 10.4 31.1

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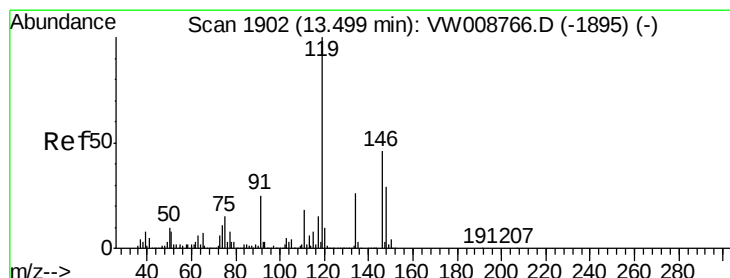
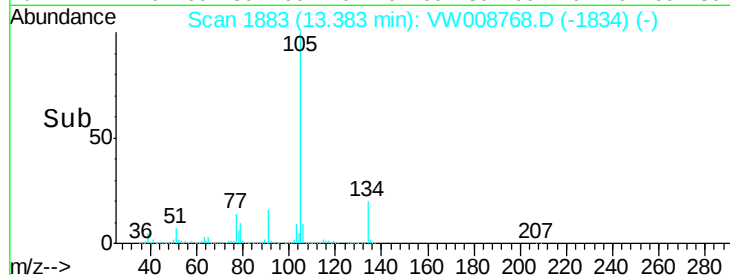
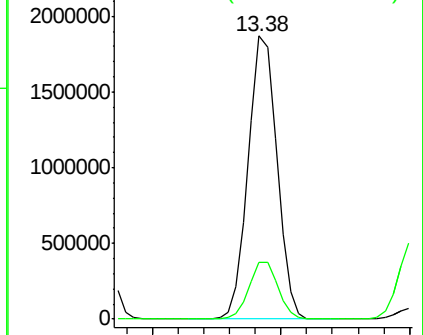
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 162.763 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

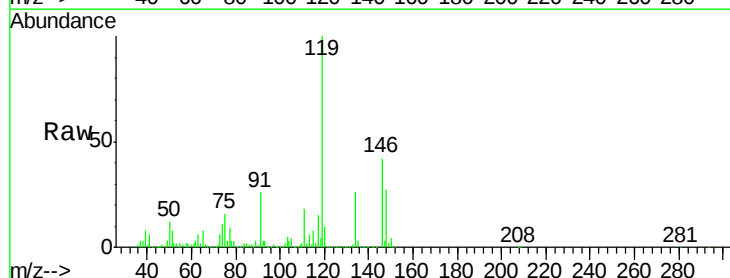
Tgt Ion:119 Resp: 2744878

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

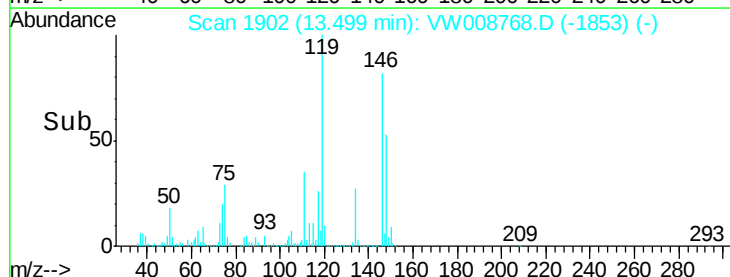
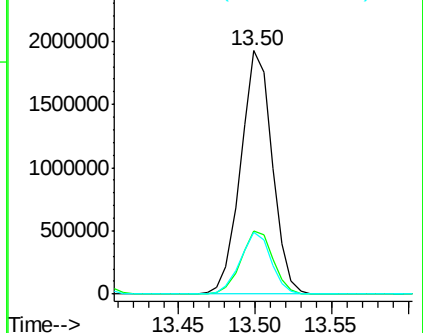
91 24.9 12.1 36.3

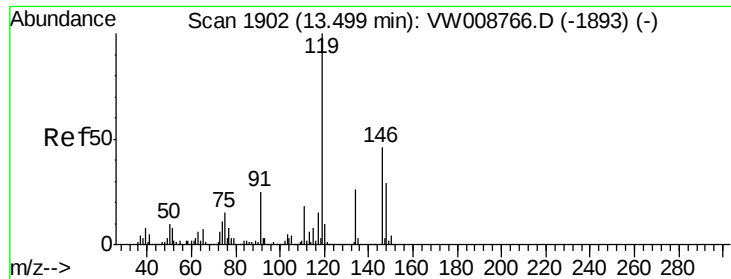


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 152.185 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:146 Resp: 1270407

Ion Ratio Lower Upper

146 100

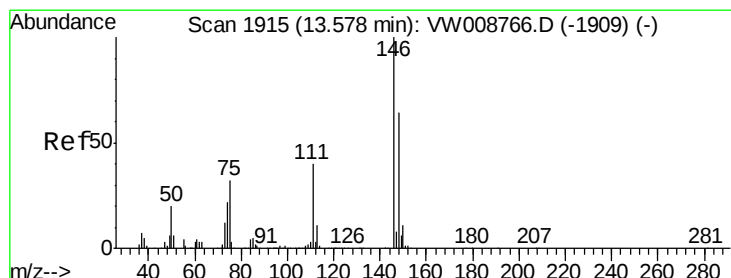
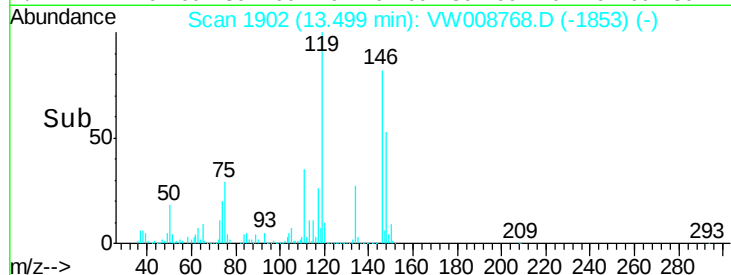
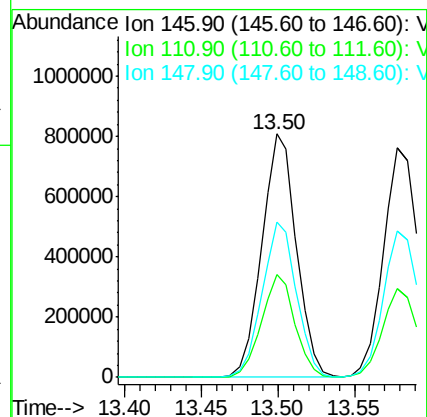
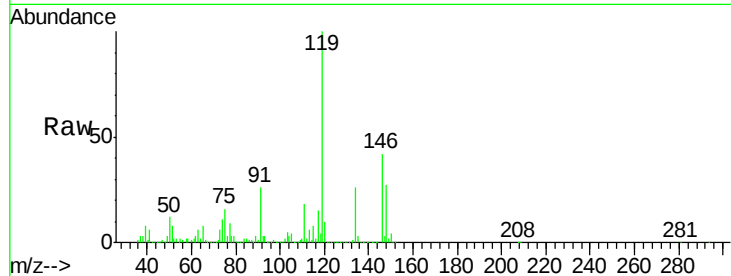
111 41.0 19.9 59.7

148 63.4 31.6 94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 146.352 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW008768.D

Acq: 21 Feb 2019 13:04

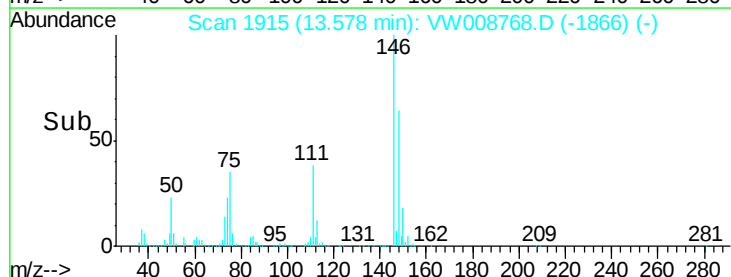
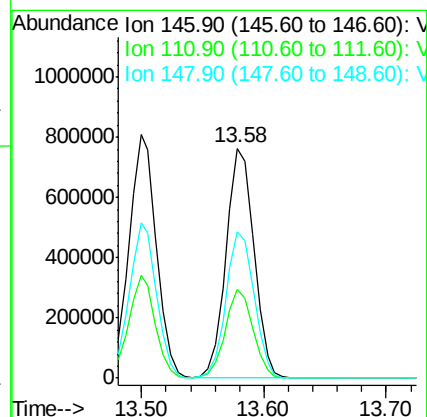
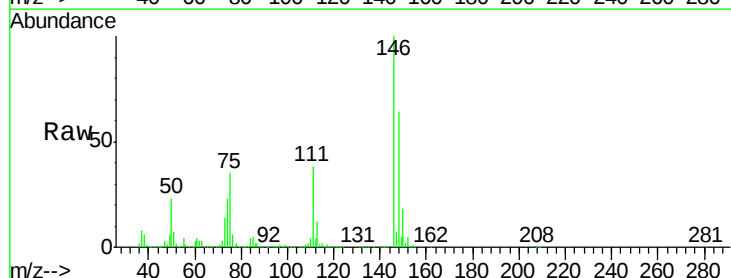
Tgt Ion:146 Resp: 1204099

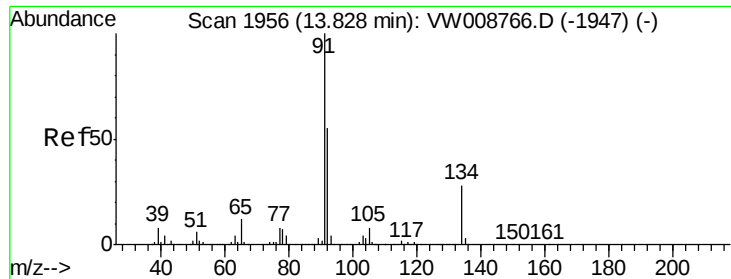
Ion Ratio Lower Upper

146 100

111 38.2 19.3 57.9

148 64.3 31.9 95.9





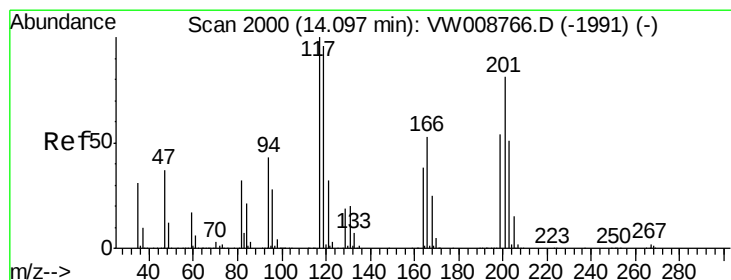
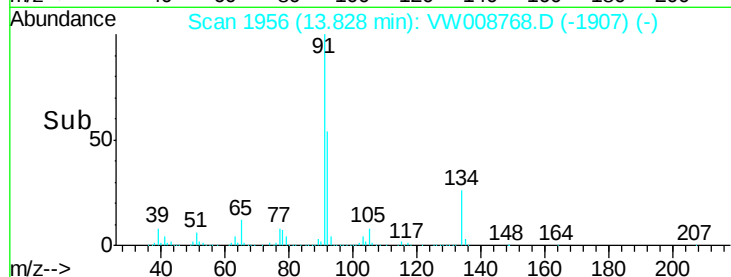
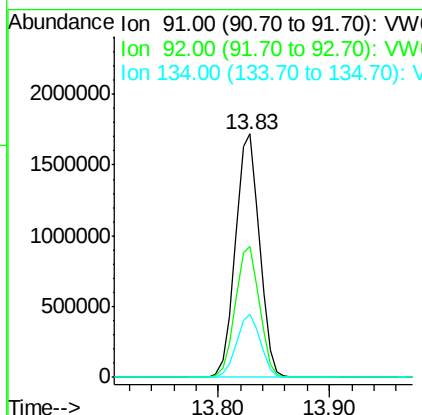
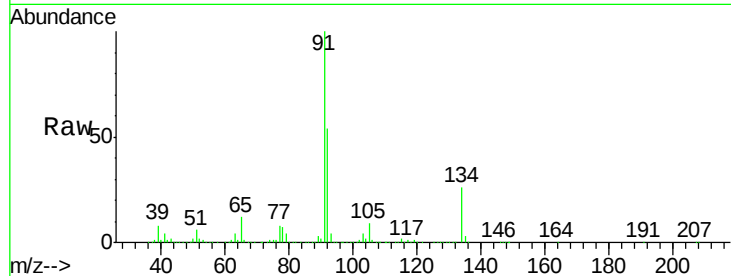
#89
n-Butylbenzene
Concen: 161.728 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2555177
Ion Ratio Lower Upper
91 100
92 54.0 26.8 80.4
134 25.8 13.5 40.4

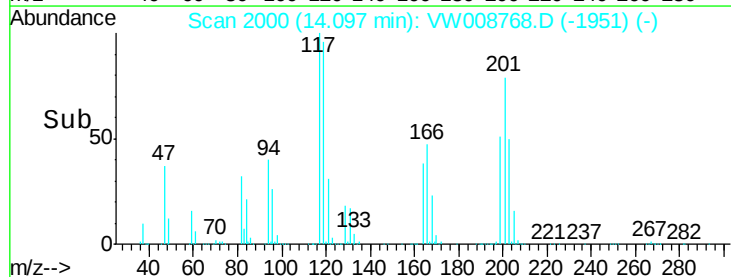
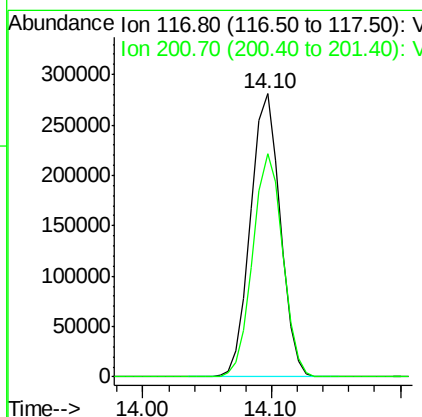
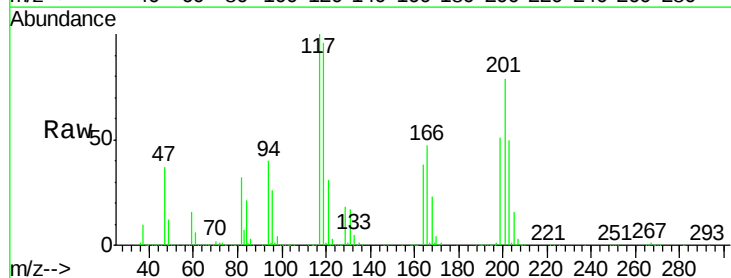
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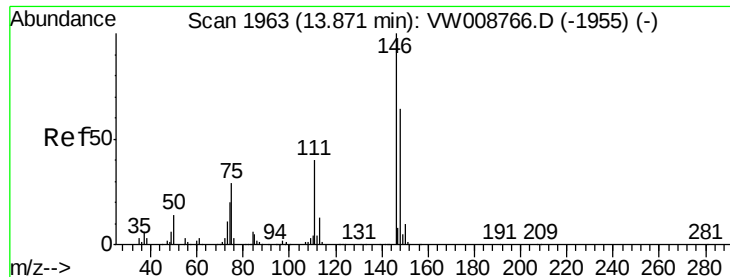
MMDadoda
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#90
Hexachloroethane
Concen: 161.731 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion: 117 Resp: 446501
Ion Ratio Lower Upper
117 100
201 79.8 40.3 120.8





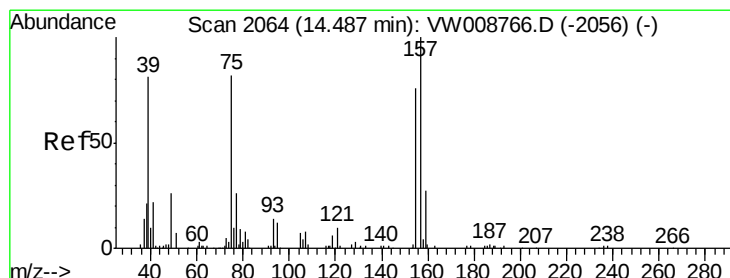
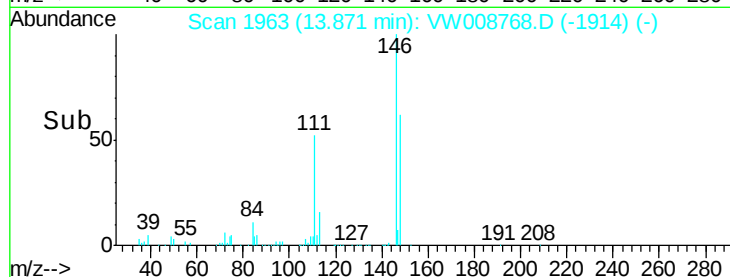
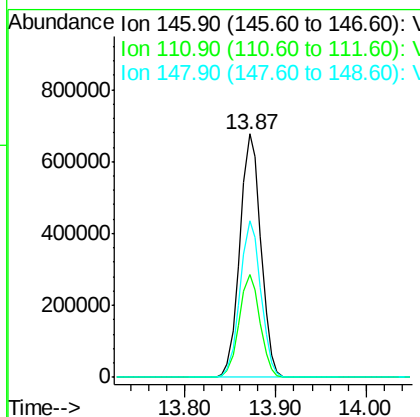
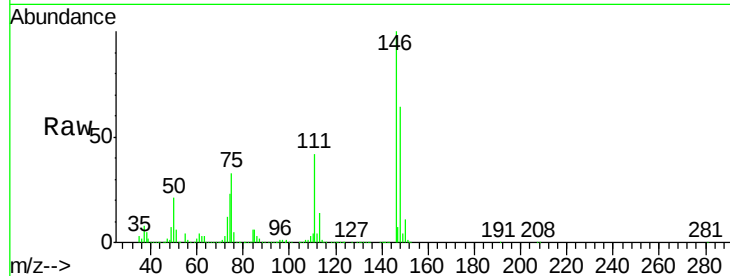
#91
 1,2-Dichlorobenzene
 Concen: 146.247 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	60.8
148	64.0	32.5	97.5

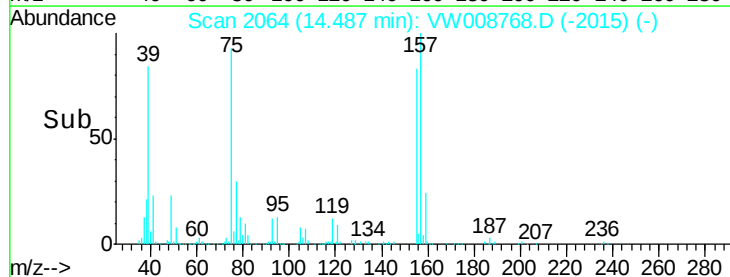
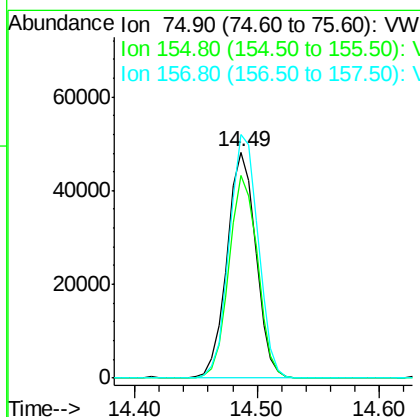
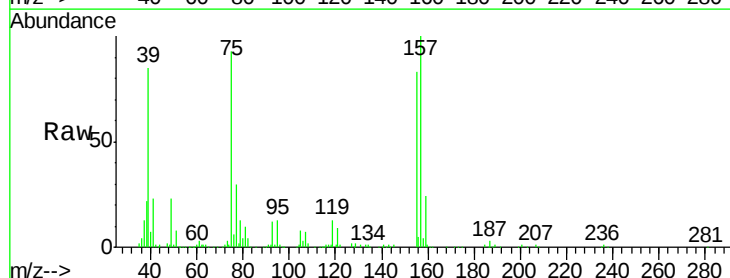
Manual Integrations
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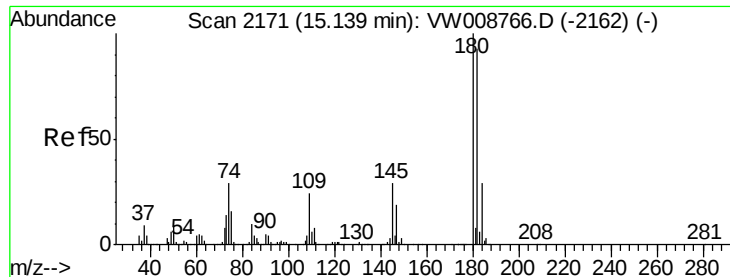
MMDadoda
 2/22/2019 12:25:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 155.093 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	41.8	125.4
157	108.6	56.6	169.9





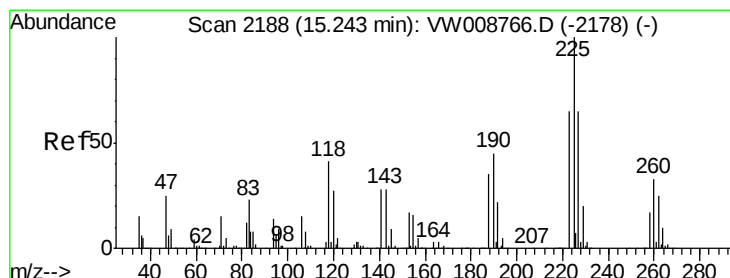
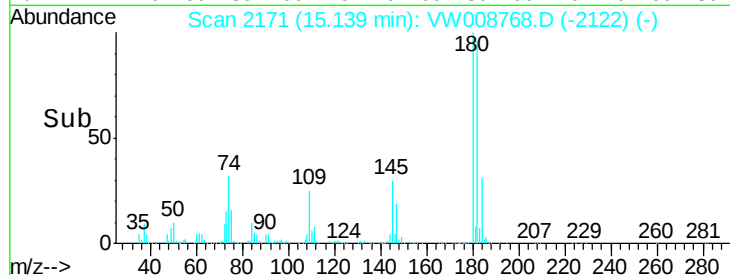
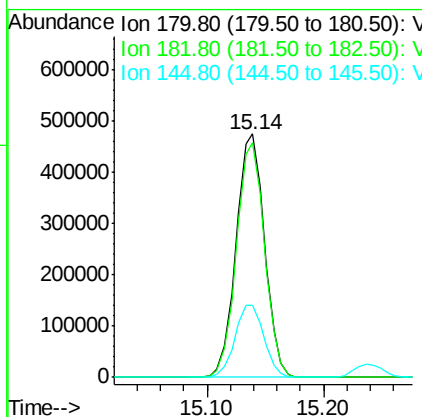
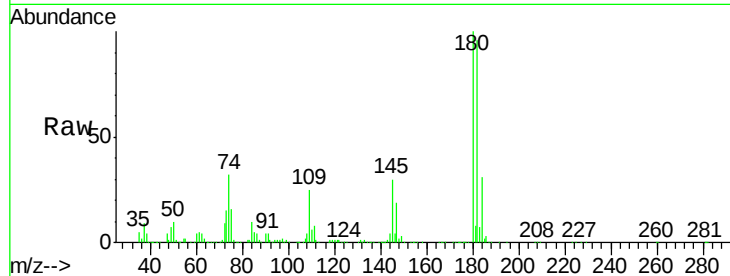
#93
 1,2,4-Trichlorobenzene
 Concen: 150.953 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.2	141.6	
145	30.3	14.4	43.0	

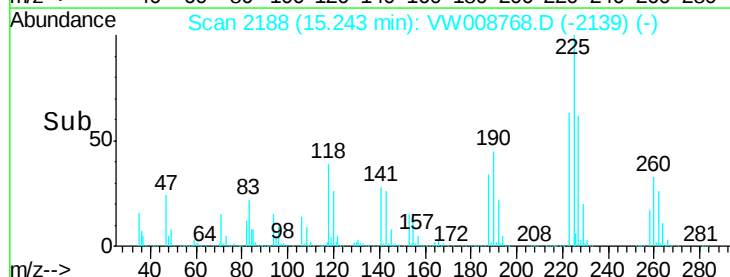
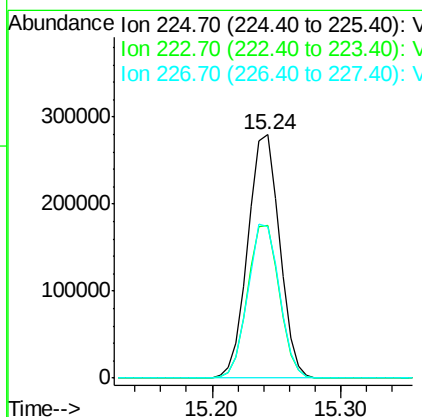
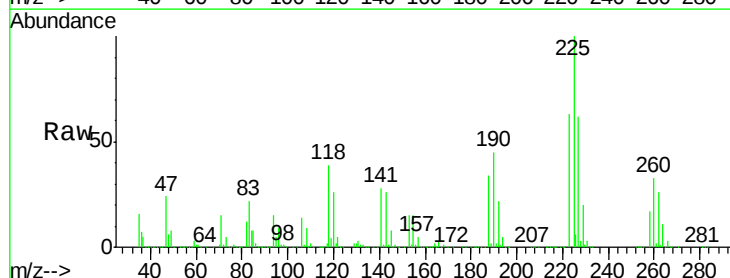
Manual Integrations
 APPROVED

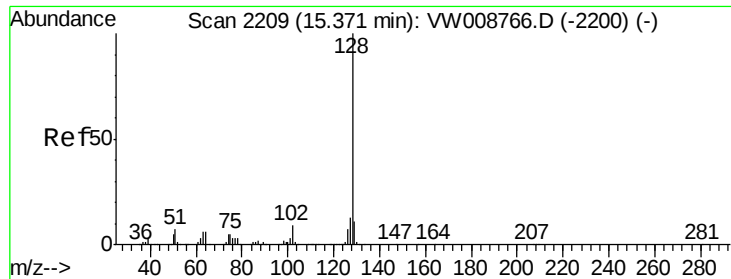
MMDadoda
 2/22/2019 12:25:32 PM



#94
 Hexachlorobutadiene
 Concen: 150.544 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008768.D
 Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.5	94.5	
227	62.7	31.6	94.8	





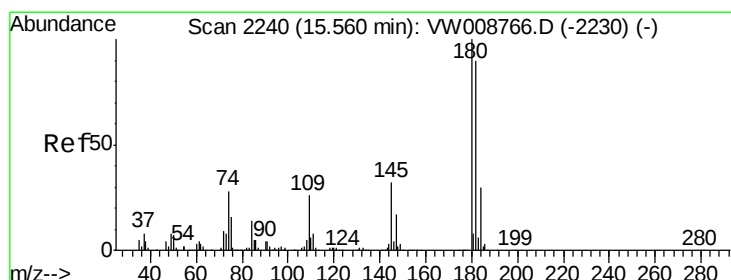
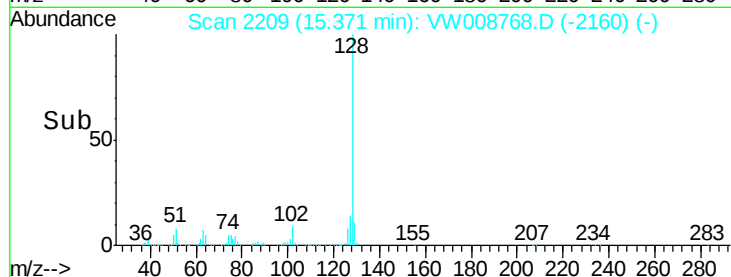
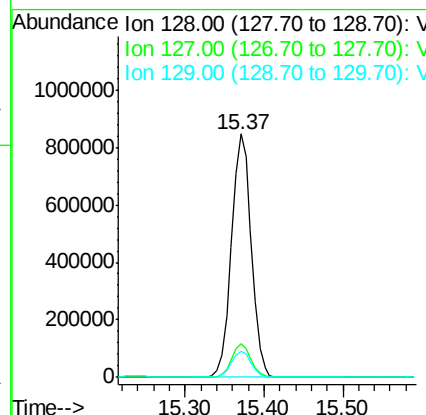
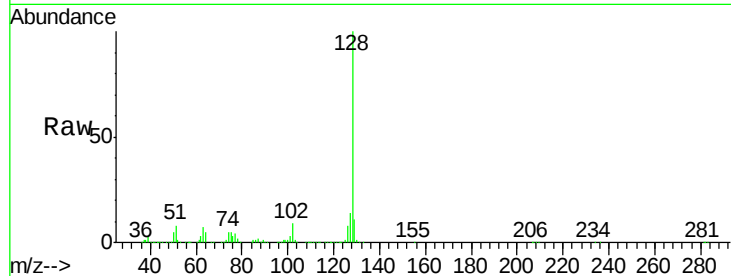
#95
Naphthalene
Concen: 160.935 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

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2/22/2019 12:25:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 148.860 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008768.D
Acq: 21 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.8
145	31.6	15.9	47.6

