

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008823.D
 Acq On : 26 Feb 2019 11:56
 Operator : SY/VA
 Sample : VW0226SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 5:20:39 PM

Quant Time: Feb 27 06:10:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	333528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	450474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	245225	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	146615	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
35) Dibromofluoromethane	7.88	113	143844	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.32	98	562097	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.62	95	211444	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	66263	19.836	ug/l	95
3) Chloromethane	2.21	50	79441	19.536	ug/l	100
4) Vinyl Chloride	2.35	62	82674	19.203	ug/l	99
5) Bromomethane	2.76	94	68775	21.507	ug/l	96
6) Chloroethane	2.91	64	58191	19.034	ug/l	99
7) Trichlorofluoromethane	3.25	101	115538	21.218	ug/l	97
8) Diethyl Ether	3.68	74	32421	18.807	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70878	21.435	ug/l	99
10) Methyl Iodide	4.27	142	73131	17.686	ug/l	99
11) Tert butyl alcohol	5.18	59	21277	76.401	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	62829	21.515	ug/l	95
13) Acrolein	3.90	56	19371	80.507	ug/l	91
14) Allyl chloride	4.67	41	100792	19.998	ug/l	97
15) Acrylonitrile	5.37	53	63368	85.651	ug/l	99
16) Acetone	4.13	43	60211	83.039	ug/l	98
17) Carbon Disulfide	4.38	76	193104	19.930	ug/l	96
18) Methyl Acetate	4.68	43	28591	16.624	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	144923	18.335	ug/l	96
20) Methylene Chloride	4.92	84	72795	17.009	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	70377	20.834	ug/l	96
22) Diisopropyl ether	6.31	45	198577	19.751	ug/l	98
23) Vinyl Acetate	6.25	43	575527	92.648	ug/l	99
24) 1,1-Dichloroethane	6.21	63	121536	20.861	ug/l	98
25) 2-Butanone	7.17	43	82878	81.756	ug/l	98
26) 2,2-Dichloropropane	7.16	77	114863	21.716	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	74854	20.716	ug/l	97
28) Bromochloromethane	7.51	49	45234	18.553	ug/l	95
29) Tetrahydrofuran	7.52	42	50922	78.825	ug/l	97
30) Chloroform	7.67	83	125112	20.933	ug/l	94
31) Cyclohexane	7.95	56	124815	21.164	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	115632	21.274	ug/l	97
36) 1,1-Dichloropropene	8.08	75	103375	22.350	ug/l	99
37) Ethyl Acetate	7.26	43	36600	17.016	ug/l	98
38) Carbon Tetrachloride	8.07	117	109437	22.436	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	121377	21.039	ug/l	97
40) Benzene	8.32	78	265084	20.991	ug/l	100
41) Methacrylonitrile	7.48	41	22812	18.043	ug/l	91
42) 1,2-Dichloroethane	8.40	62	77442	19.359	ug/l	100
43) Isopropyl Acetate	8.43	43	71227	16.593	ug/l	96
44) Trichloroethene	9.09	130	77343	21.741	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64910	20.800	ug/l	99
46) Dibromomethane	9.46	93	34308	19.765	ug/l	94
47) Bromodichloromethane	9.65	83	86696	20.528	ug/l	96
48) Methyl methacrylate	9.43	41	32030	15.579	ug/l	96
49) 1,4-Dioxane	9.45	88	7931	285.311	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	171453	78.670	ug/l	99
52) Toluene	10.38	92	177414	20.700	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	82312	19.122	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	100917	20.555	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	44913	19.079	ug/l	98
56) Ethyl methacrylate	10.65	69	52000	17.002	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80151	19.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	140583	91.393	ug/l	99
59) 2-Hexanone	10.97	43	124295	80.119	ug/l	99
60) Dibromochloromethane	11.13	129	57074	19.877	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43376	18.615	ug/l	99
64) Tetrachloroethene	10.86	164	67010	20.781	ug/l	96
65) Chlorobenzene	11.66	112	195700	20.661	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	65594	20.480	ug/l	98
67) Ethyl Benzene	11.73	91	348701	20.593	ug/l	97
68) m/p-Xylenes	11.84	106	286905	42.406	ug/l	97
69) o-Xylene	12.17	106	129664	20.419	ug/l	100
70) Styrene	12.18	104	206380	20.201	ug/l	100
71) Bromoform	12.35	173	31007	18.011	ug/l #	96
73) Isopropylbenzene	12.46	105	361478	21.502	ug/l	99
74) N-amyl acetate	12.27	43	67768	16.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	49342	17.963	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	35915m	17.739	ug/l	
77) Bromobenzene	12.75	156	82268	20.709	ug/l	97
78) n-propylbenzene	12.80	91	438483	21.323	ug/l	99
79) 2-Chlorotoluene	12.90	91	244702	20.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	310125	21.228	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14676	17.622	ug/l	91
82) 4-Chlorotoluene	12.99	91	256065	20.812	ug/l	98
83) tert-Butylbenzene	13.21	119	275333	21.796	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	309417	20.460	ug/l	99
85) sec-Butylbenzene	13.39	105	382036	21.033	ug/l	100
86) p-Isopropyltoluene	13.50	119	341906	20.533	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	168951	20.498	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	166925	20.548	ug/l	99
89) n-Butylbenzene	13.83	91	323676	20.749	ug/l	100
90) Hexachloroethane	14.10	117	58479	21.453	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	146164	19.902	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7619	15.333	ug/l	94

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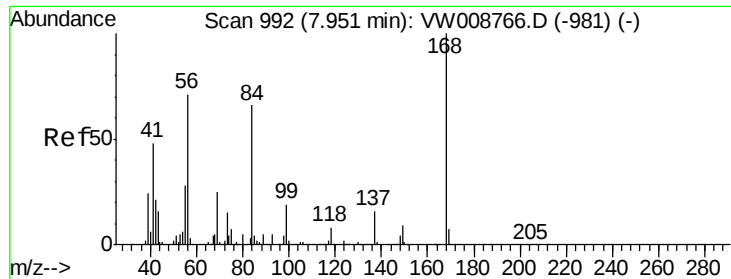
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	103446	19.549	ug/l	99
94) Hexachlorobutadiene	15.24	225	68001	21.817	ug/l	99
95) Naphthalene	15.37	128	146229	16.231	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	85195	18.621	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion:168 Resp: 333528

Ion Ratio Lower Upper

168 100

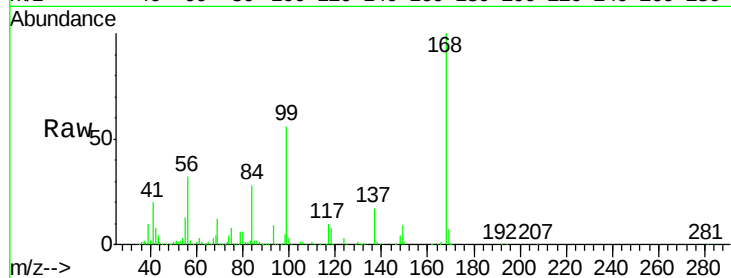
99 55.6 42.2 63.2

Manual Integrations

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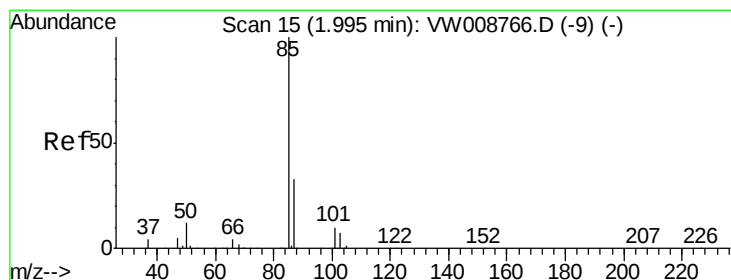
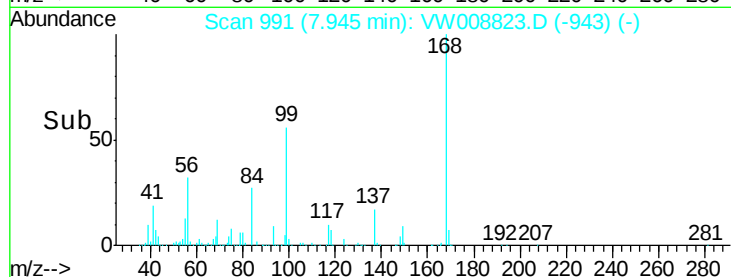
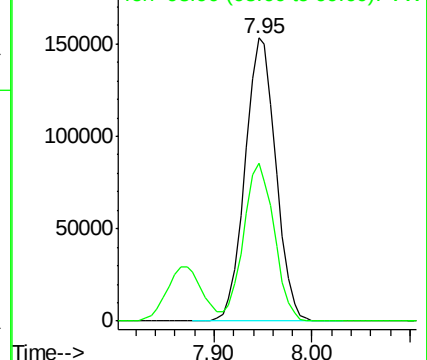
MMDadoda

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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: 19.836 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008823.D

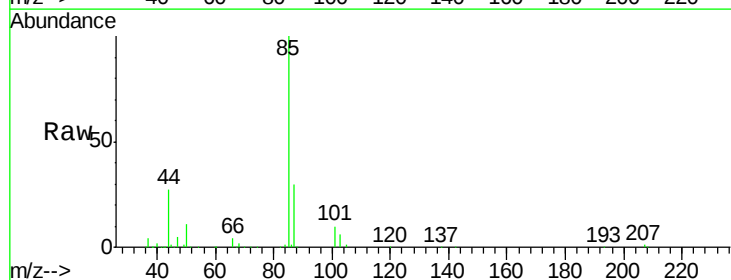
Acq: 26 Feb 2019 11:56

Tgt Ion: 85 Resp: 66263

Ion Ratio Lower Upper

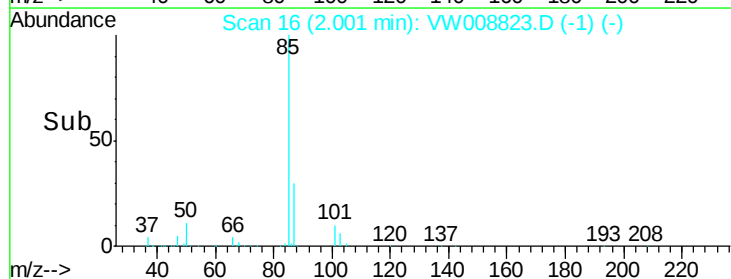
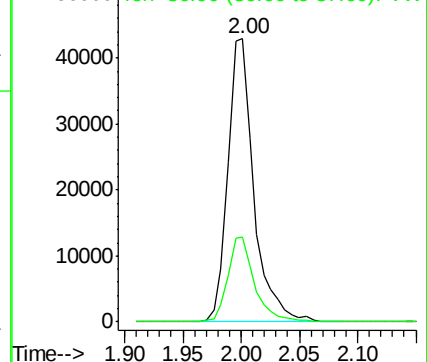
85 100

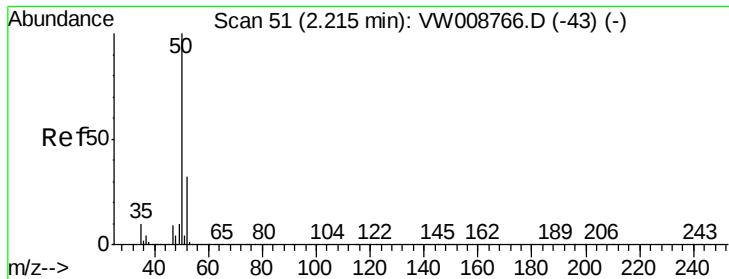
87 29.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.536 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 50 Resp: 79441

Ion Ratio Lower Upper

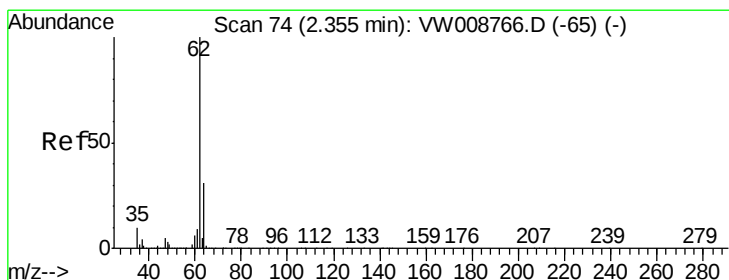
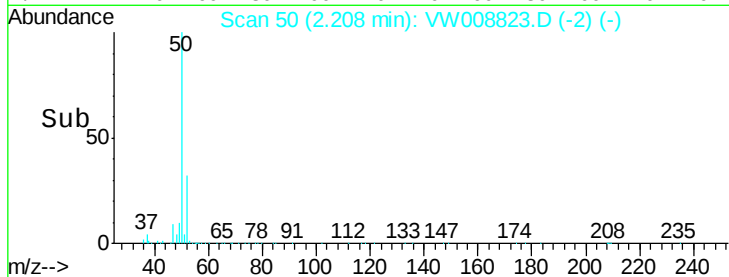
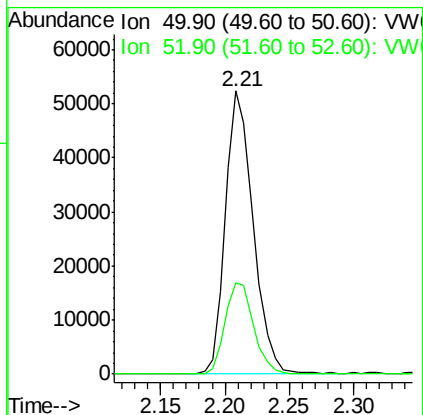
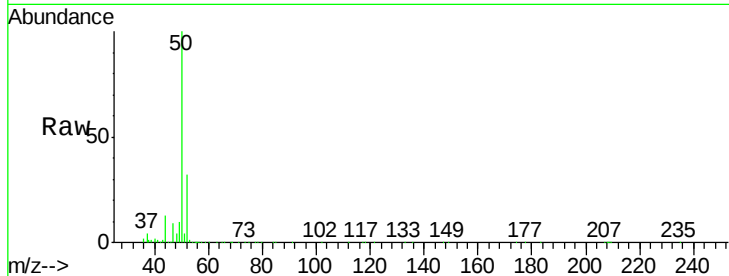
50 100

52 32.4 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.203 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008823.D

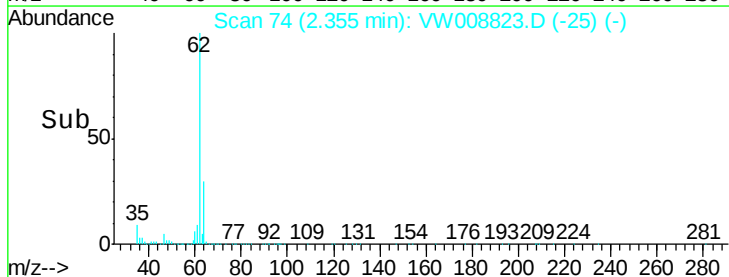
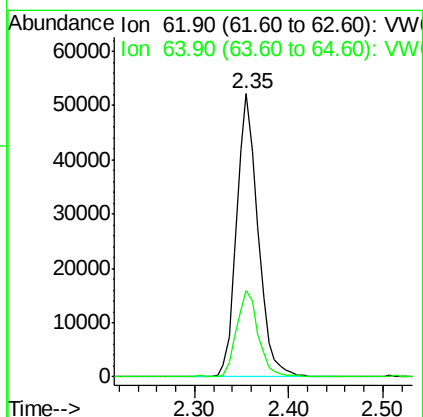
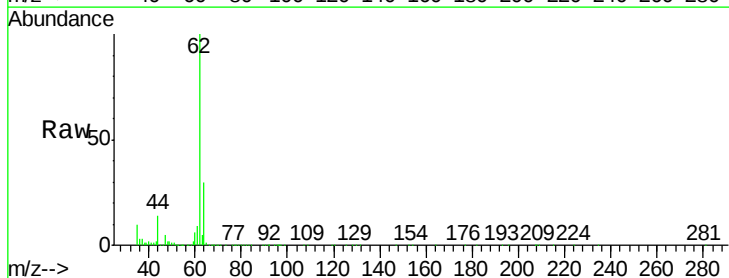
Acq: 26 Feb 2019 11:56

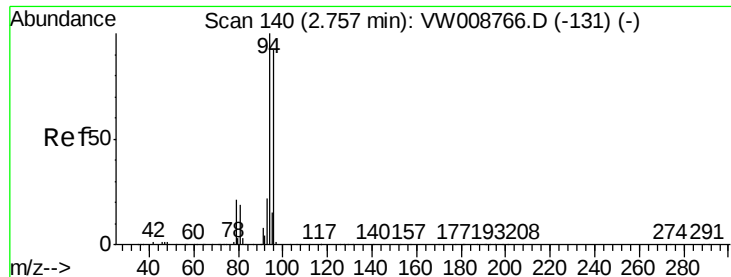
Tgt Ion: 62 Resp: 82674

Ion Ratio Lower Upper

62 100

64 30.5 24.9 37.3





#5

Bromomethane

Concen: 21.507 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 94 Resp: 68775

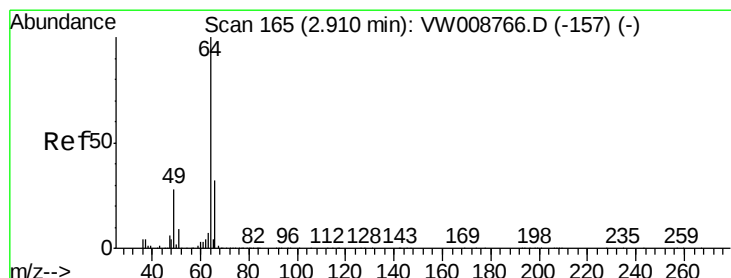
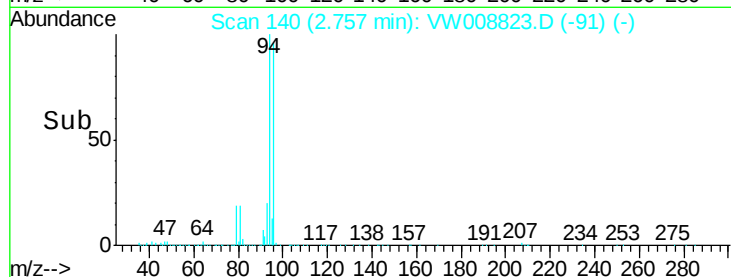
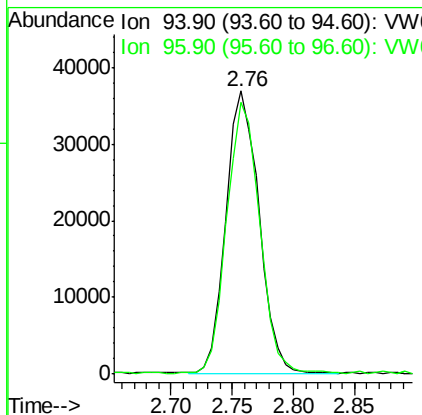
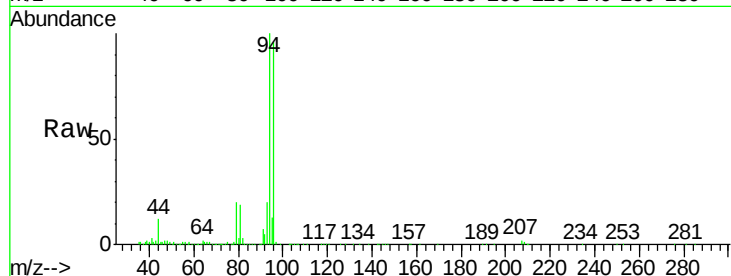
Ion Ratio Lower Upper

94 100

96 95.9 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 19.034 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW008823.D

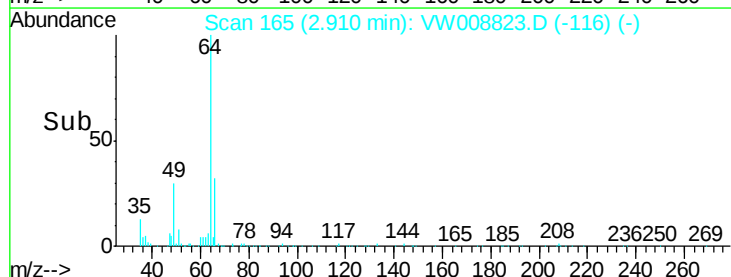
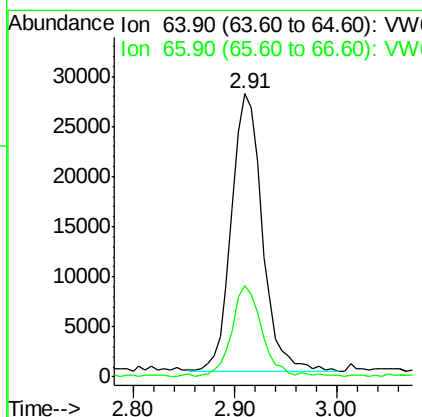
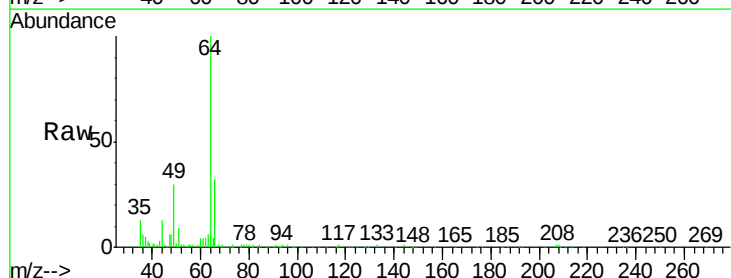
Acq: 26 Feb 2019 11:56

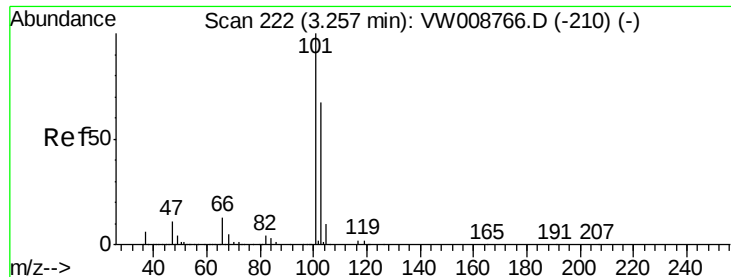
Tgt Ion: 64 Resp: 58191

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

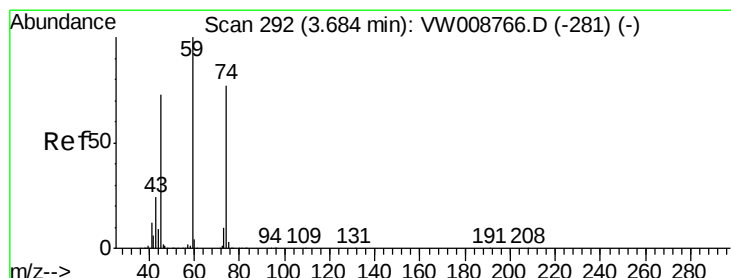
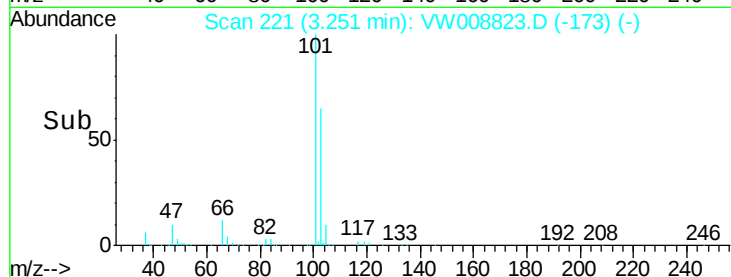
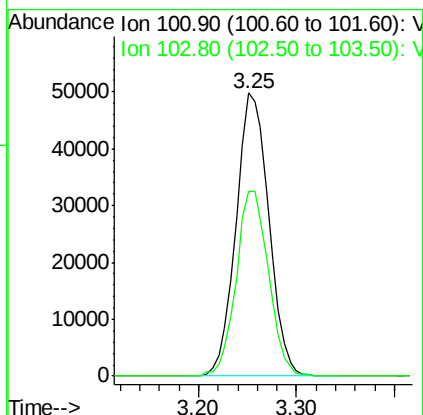
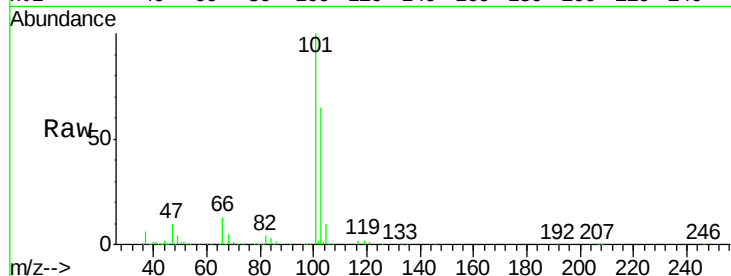
Trichlorofluoromethane
Concen: 21.218 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	115538		
103	65.3	53.9	80.9	

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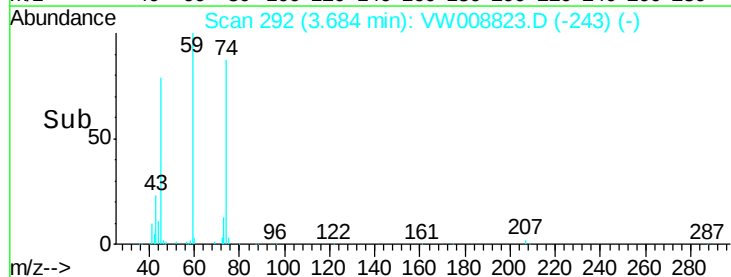
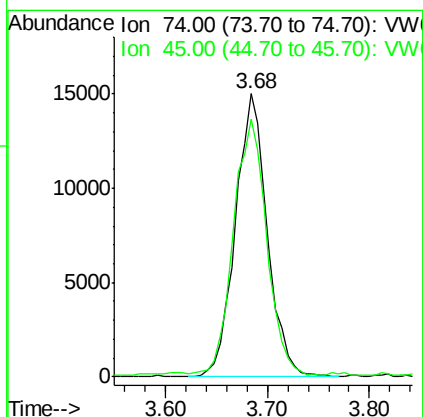
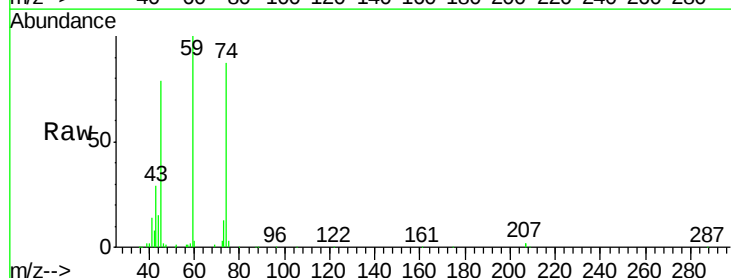
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2/27/2019 5:20:39 PM

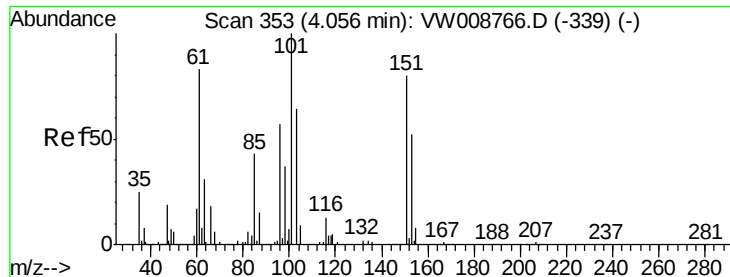


#8

Diethyl Ether
Concen: 18.807 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	32421		
45	94.5	50.2	150.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.435 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW008823.D

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Instrument :

MSVOA_W

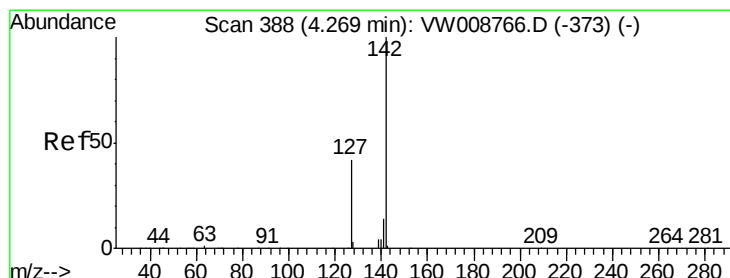
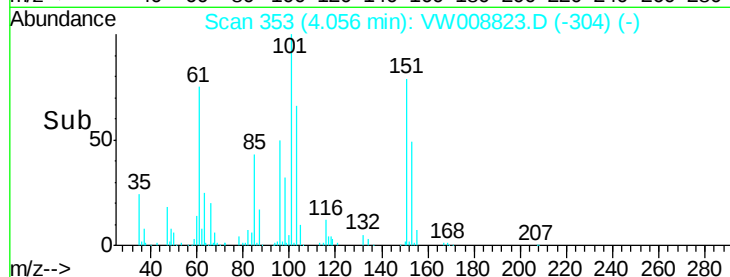
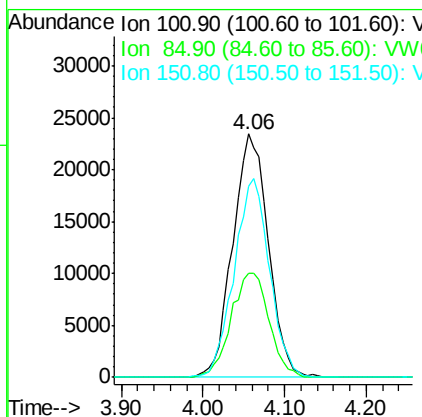
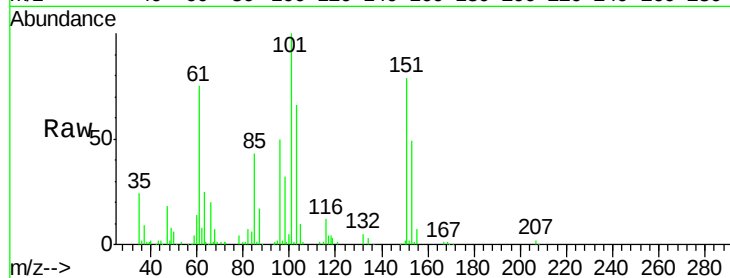
ClientSampleId :

VW0226SBS01

Tot Ion:	101	Resp:	70878
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.0	54.0
151	81.5	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.686 ug/l

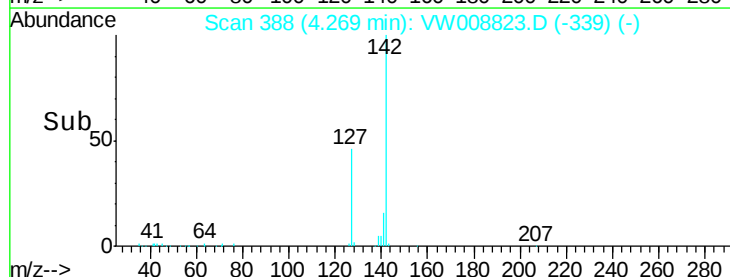
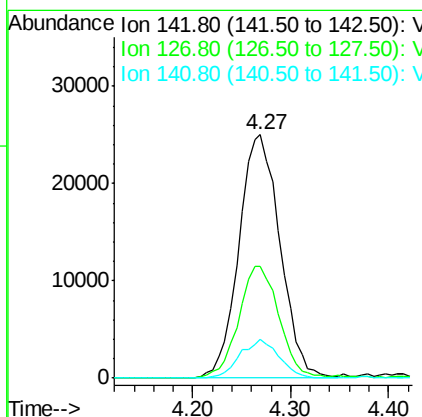
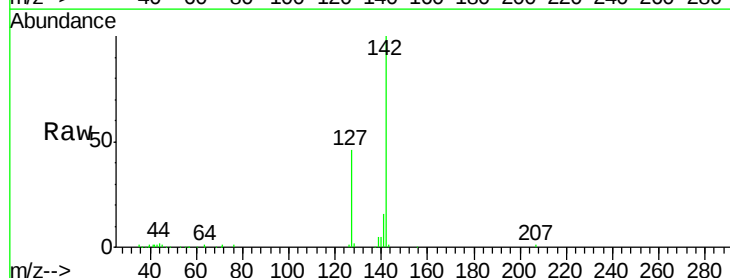
RT: 4.27 min Scan# 388

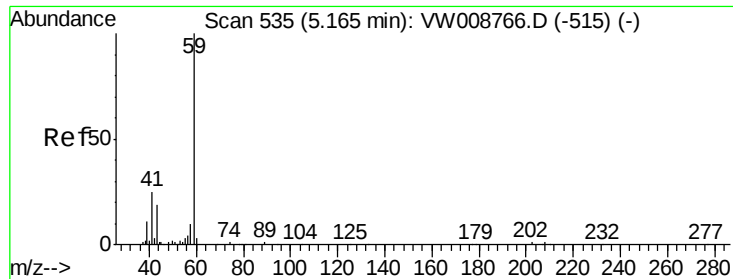
Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion:	142	Resp:	73131
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.3	52.9
141	15.1	11.7	17.5





#11

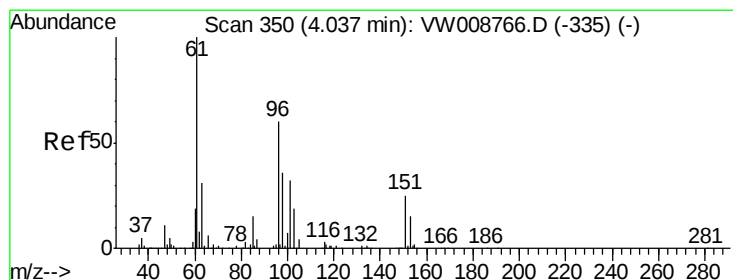
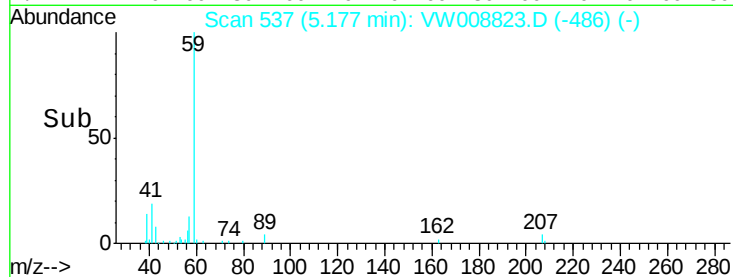
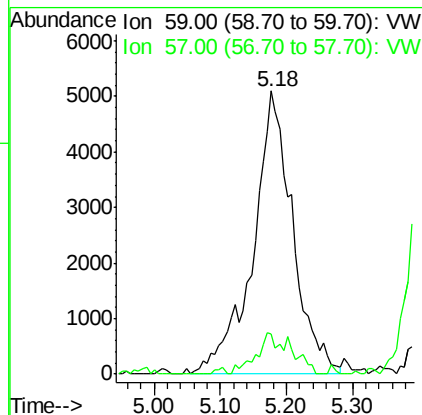
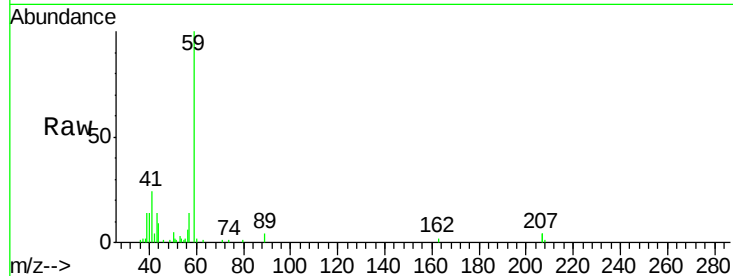
Tert butyl alcohol
Concen: 76.401 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	9.3	13.9#

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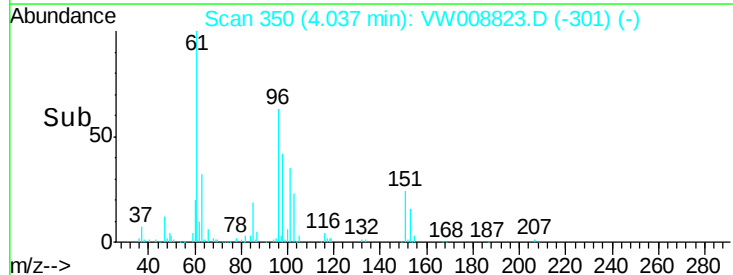
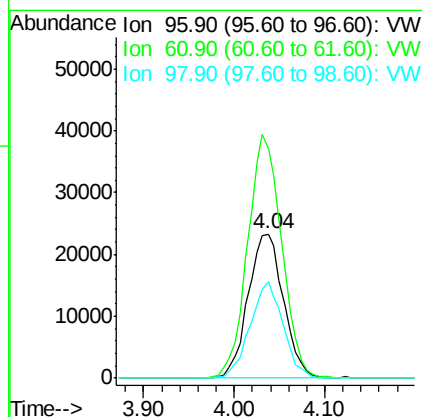
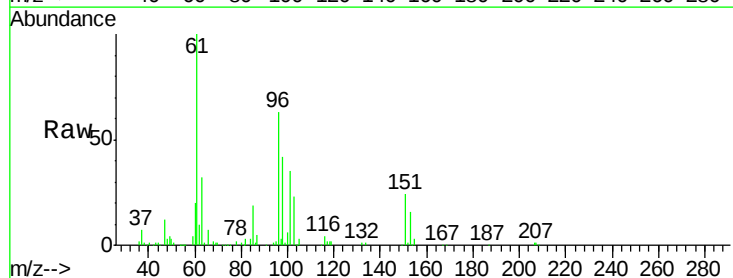
MMDadoda
2/27/2019 5:20:39 PM

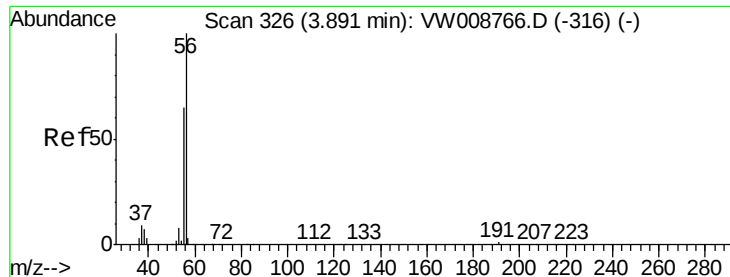


#12

1,1-Dichloroethene
Concen: 21.515 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	132.5	198.7
98	66.8	48.2	72.4





#13

Acrolein

Concen: 80.507 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 56 Resp: 19371

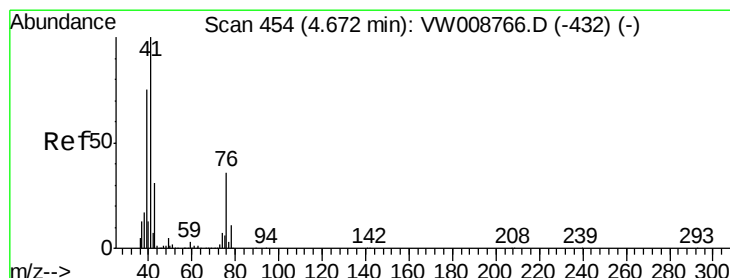
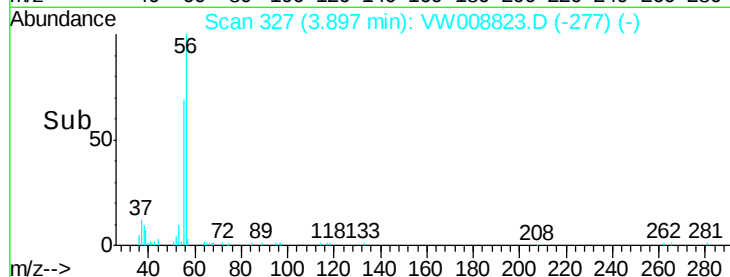
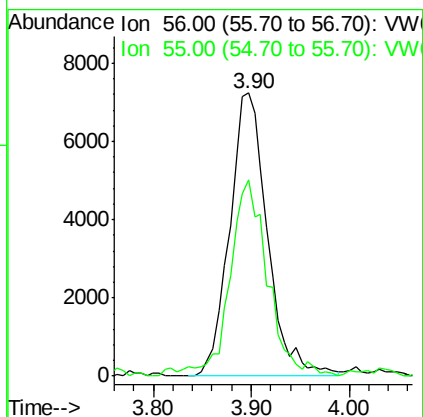
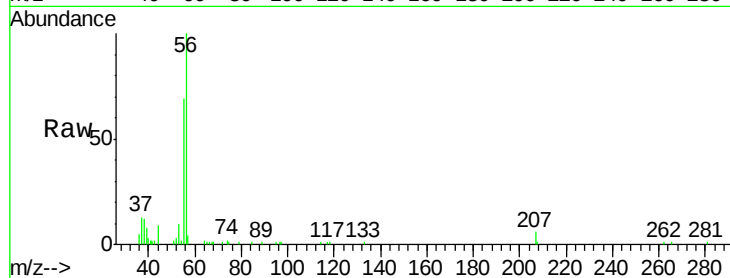
Ion Ratio Lower Upper

56 100

55 64.0 56.9 85.3

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#14

Allyl chloride

Concen: 19.998 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

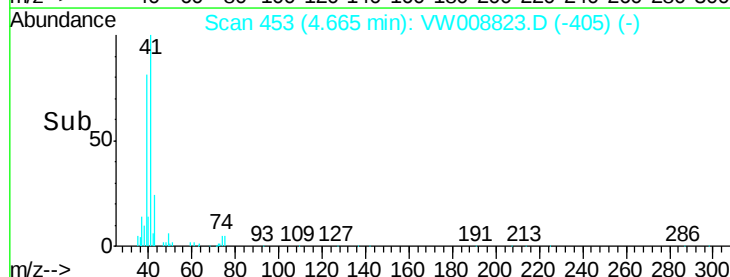
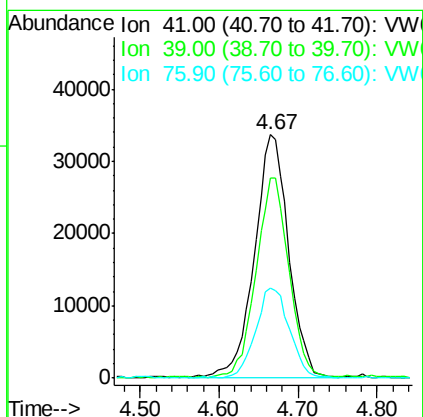
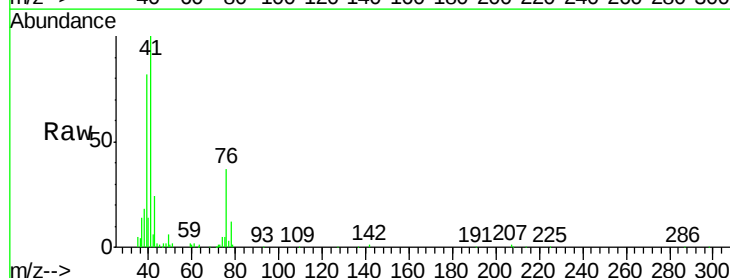
Tgt Ion: 41 Resp: 100792

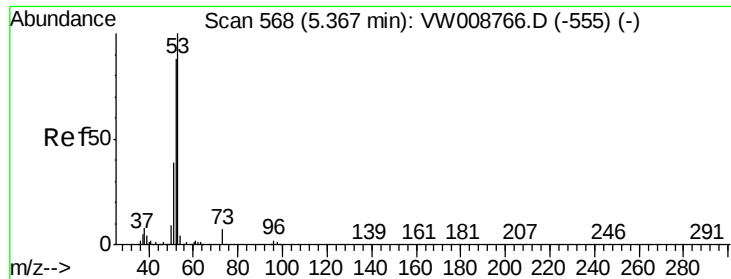
Ion Ratio Lower Upper

41 100

39 78.4 60.6 91.0

76 36.9 28.6 42.8





#15

Acrylonitrile

Concen: 85.651 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

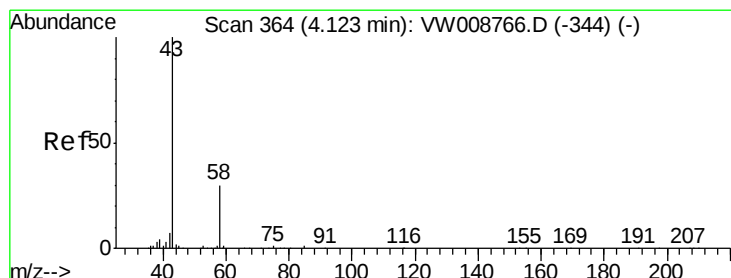
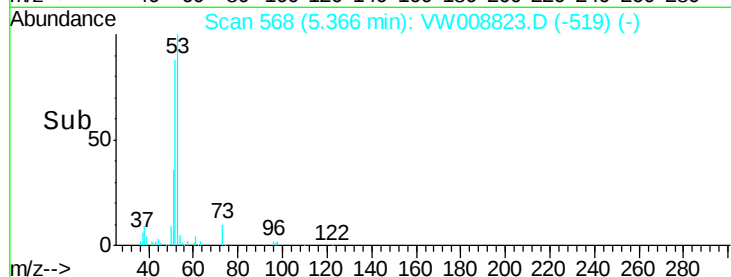
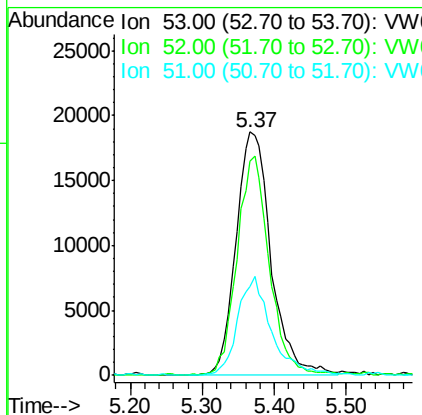
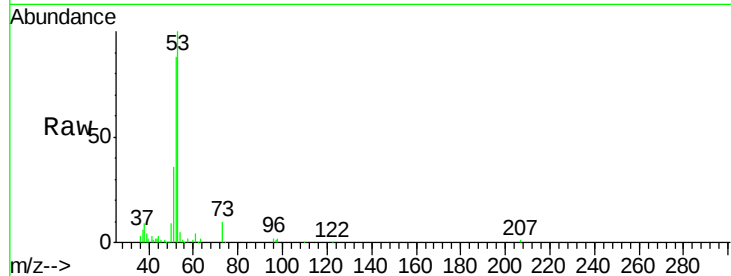
ClientSampleId :

VW0226SBS01

Tot Ion:	53	Resp:	63368
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.2	100.8
51	39.0	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 83.039 ug/l

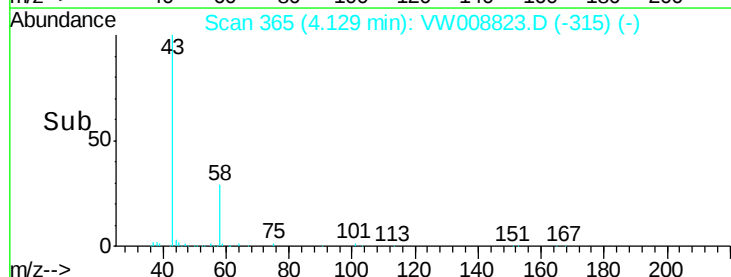
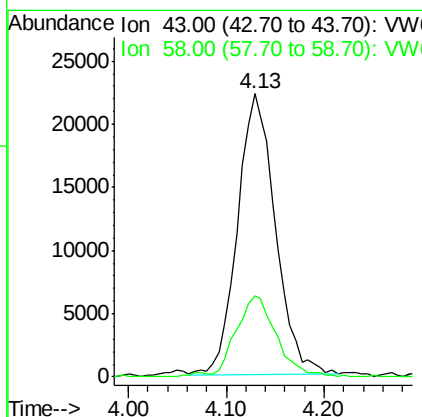
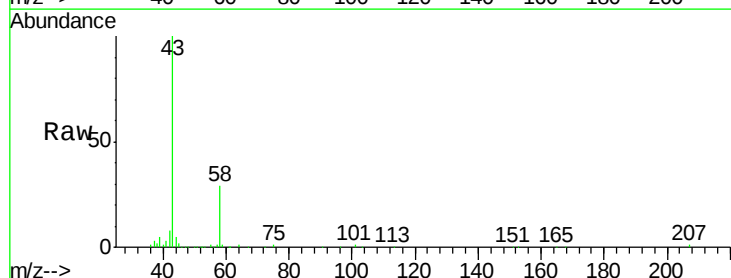
RT: 4.13 min Scan# 365

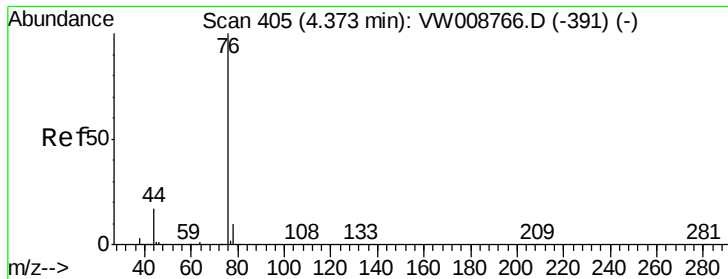
Delta R.T. 0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion:	43	Resp:	60211
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.8	35.6





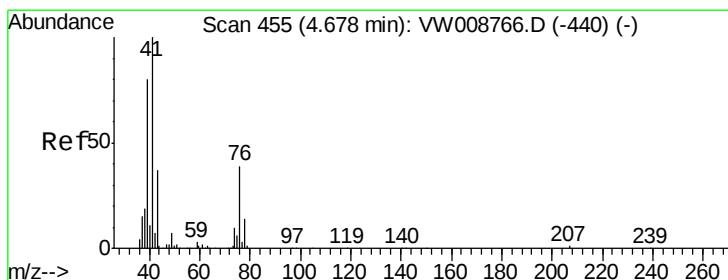
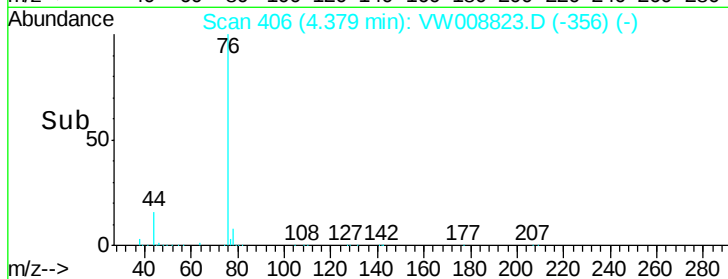
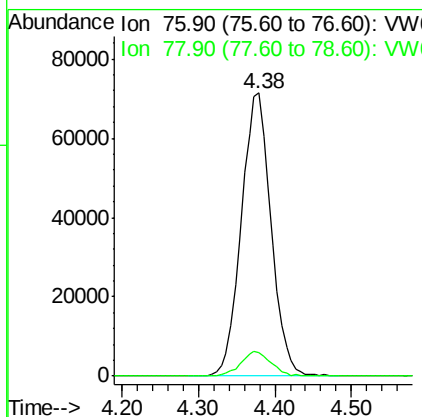
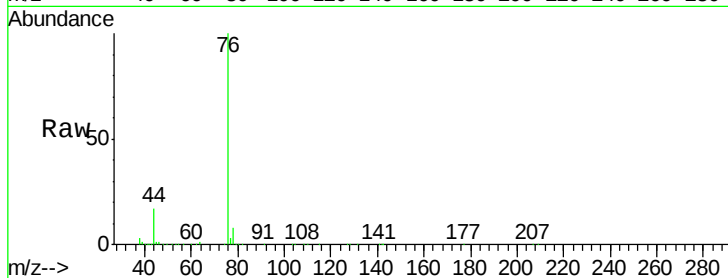
#17
Carbon Disulfide
Concen: 19.930 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.8	11.8

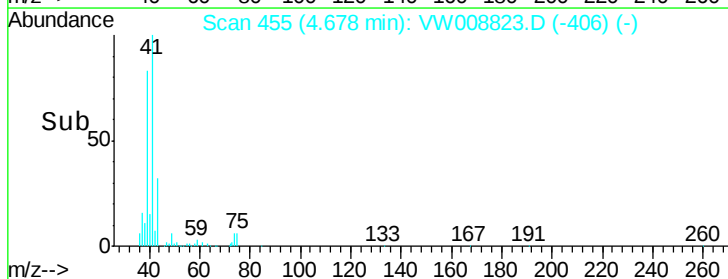
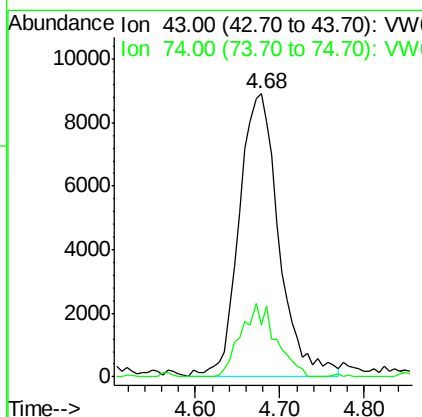
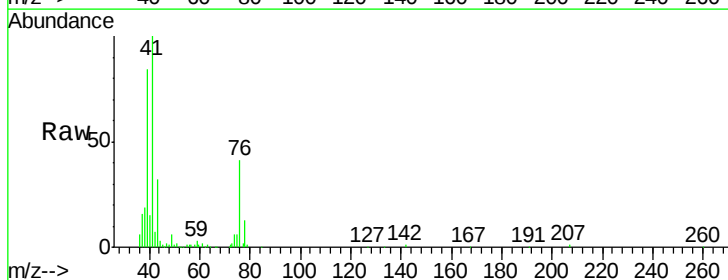
Manual Integrations
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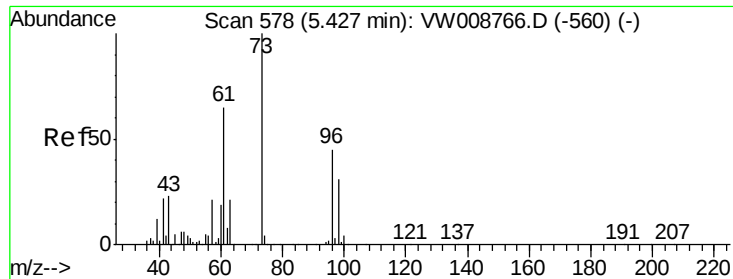
MMDadoda
2/27/2019 5:20:39 PM



#18
Methyl Acetate
Concen: 16.624 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.4	29.2





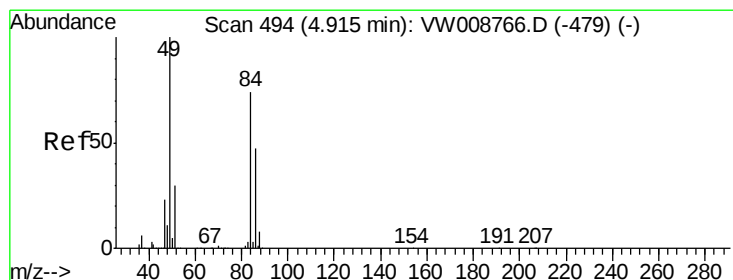
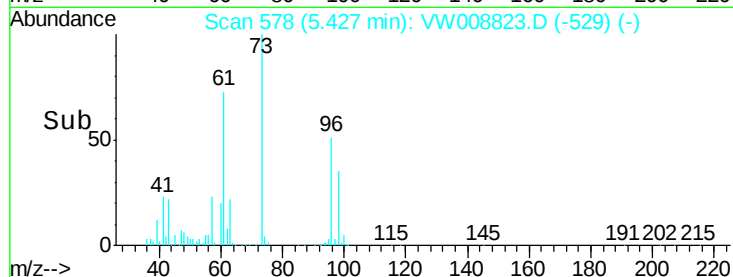
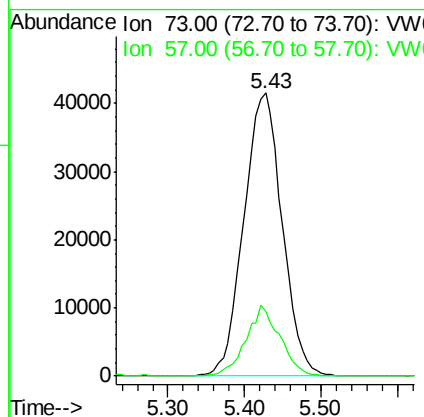
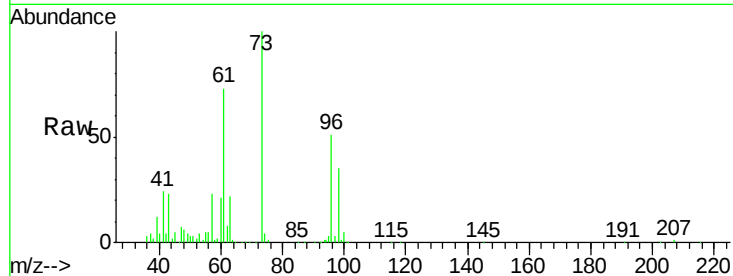
#19
Methvl tert-butvl Ether
Concen: 18.335 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion: 73 Resp: 144923
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2

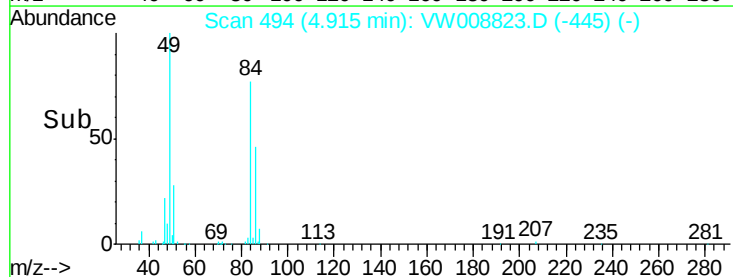
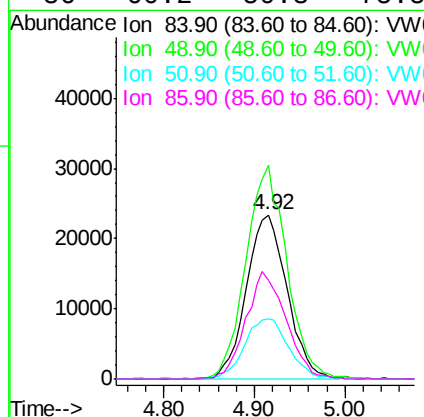
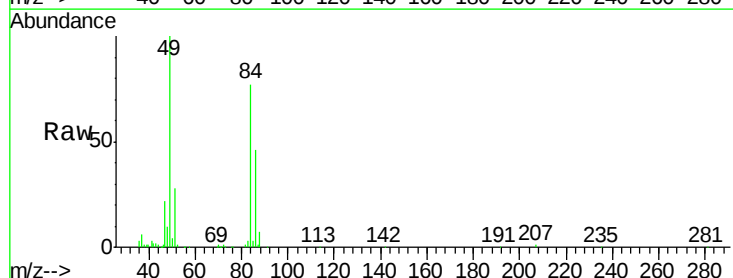
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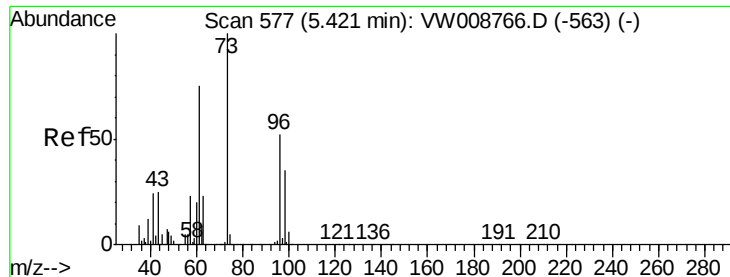
MMDadoda
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#20
Methylene Chloride
Concen: 17.009 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion: 84 Resp: 72795
Ion Ratio Lower Upper
84 100
49 129.6 108.2 162.2
51 36.3 32.7 49.1
86 60.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.834 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

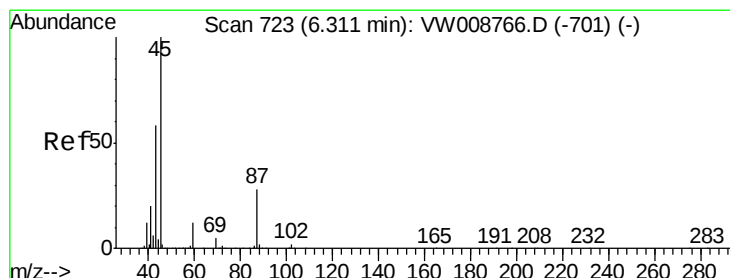
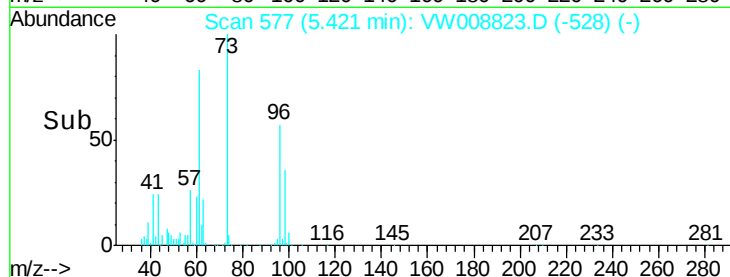
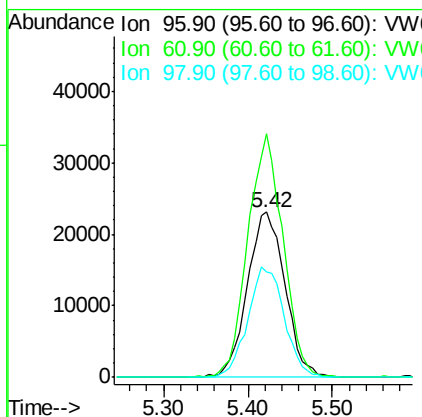
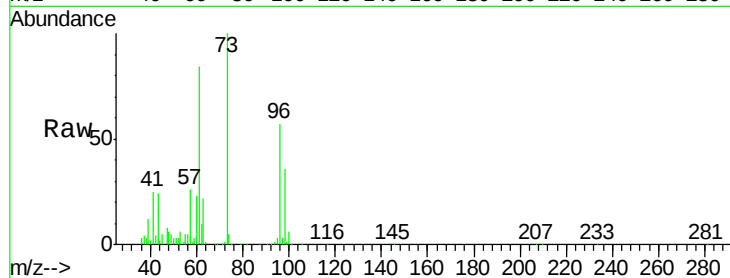
ClientSampleId :

VW0226SBS01

Tot Ion:	96	Resp:	70377
Ion	Ratio	Lower	Upper
96	100		
61	147.2	114.6	171.8
98	64.1	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.751 ug/l

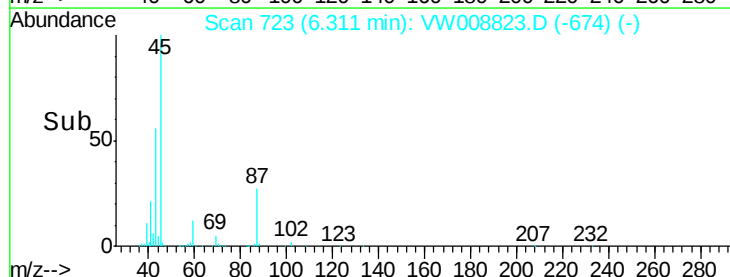
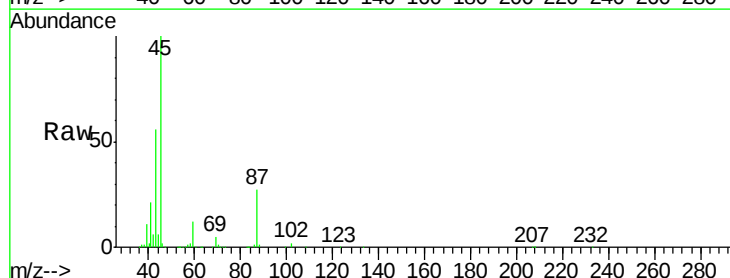
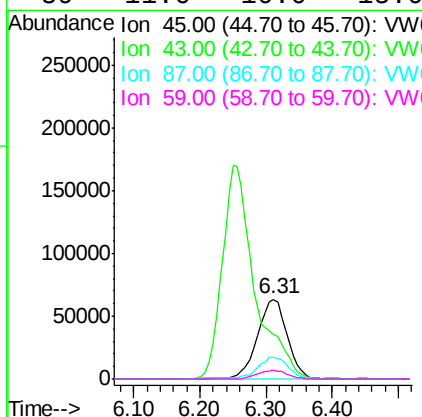
RT: 6.31 min Scan# 723

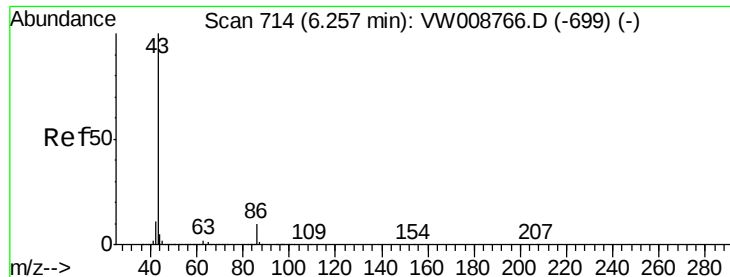
Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion:	45	Resp:	198577
Ion	Ratio	Lower	Upper
45	100		
43	55.7	46.1	69.1
87	27.3	22.2	33.4
59	11.6	10.0	15.0





#23

Vinyl Acetate

Concen: 92.648 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 43 Resp: 575527

Ion Ratio Lower Upper

43 100

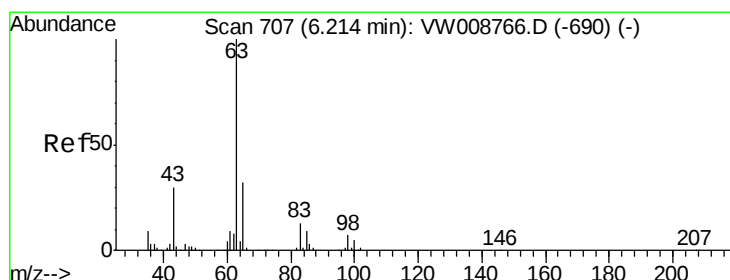
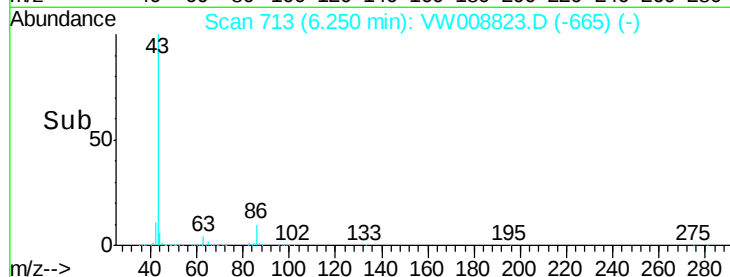
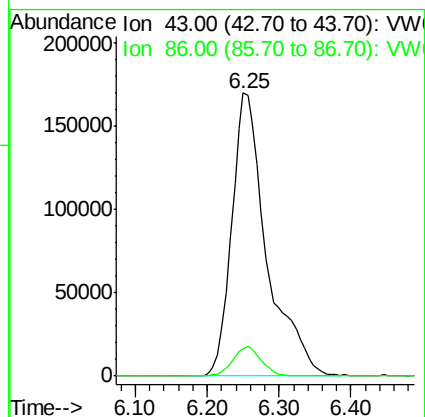
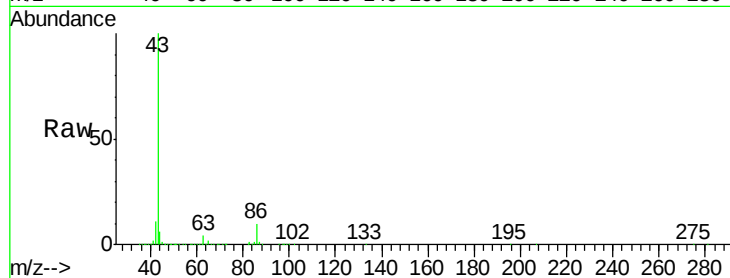
86 9.8 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.861 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

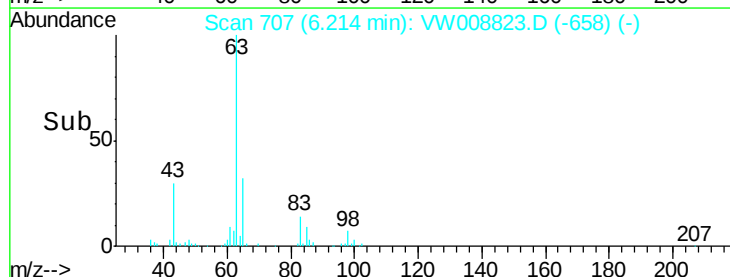
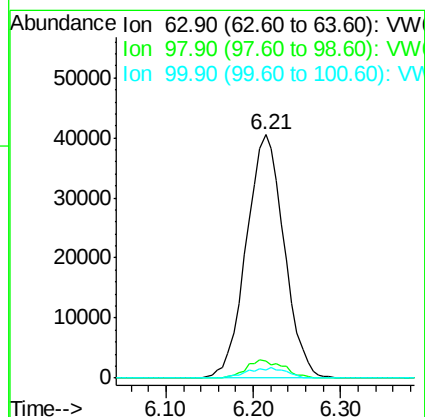
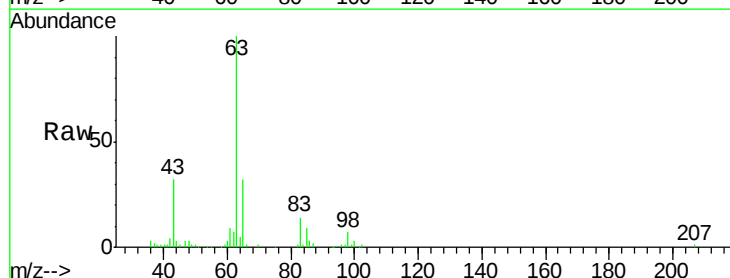
Tgt Ion: 63 Resp: 121536

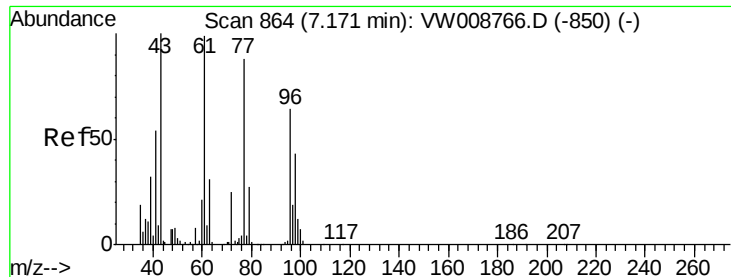
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

100 3.4 2.4 7.2





#25

2-Butanone

Concen: 81.756 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 43 Resp: 82878

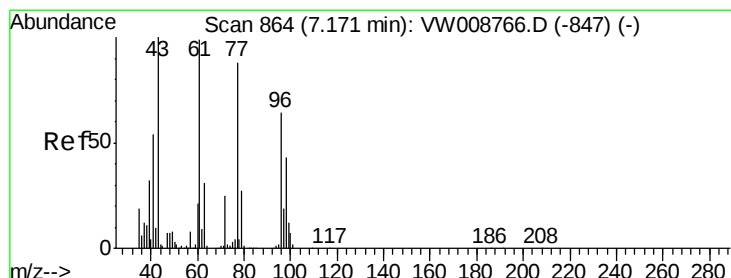
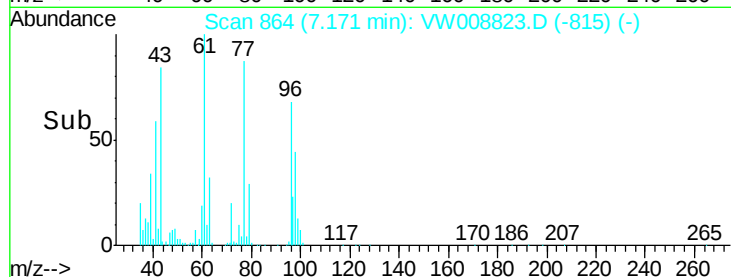
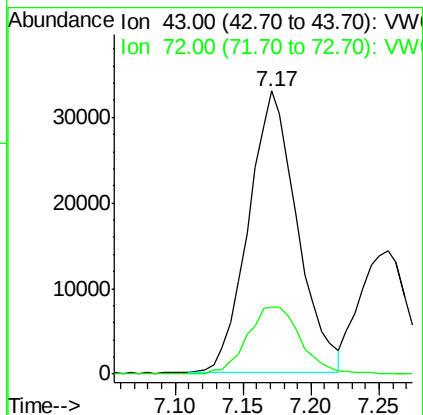
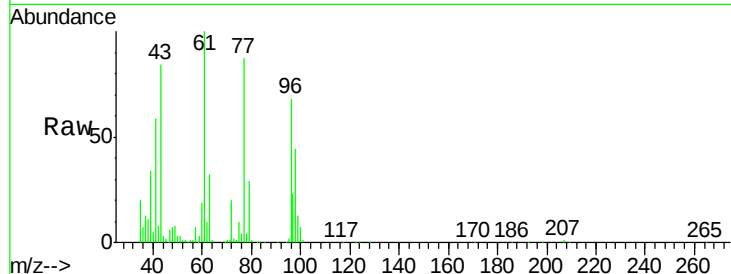
Ion Ratio Lower Upper

43 100

72 23.4 19.7 29.5

Manual Integrations
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2/27/2019 5:20:39 PM



#26

2,2-Dichloropropane

Concen: 21.716 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008823.D

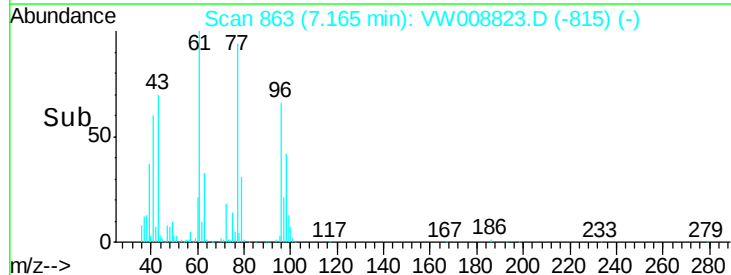
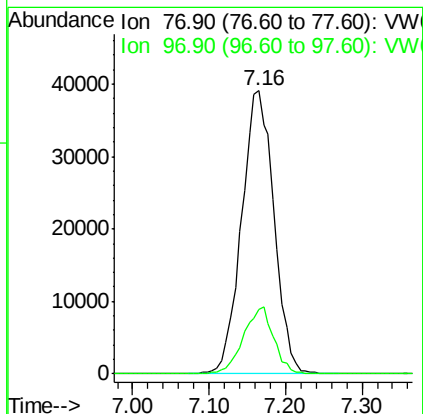
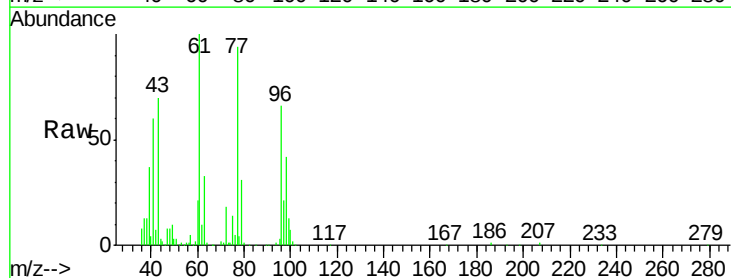
Acq: 26 Feb 2019 11:56

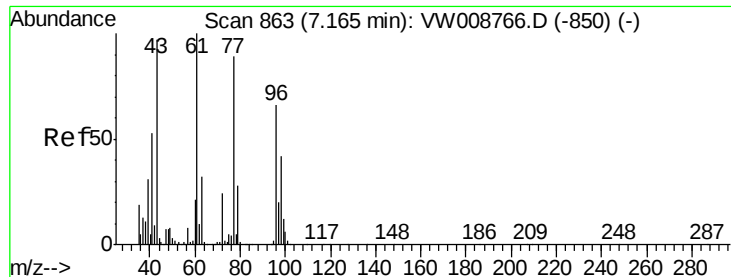
Tgt Ion: 77 Resp: 114863

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





#27

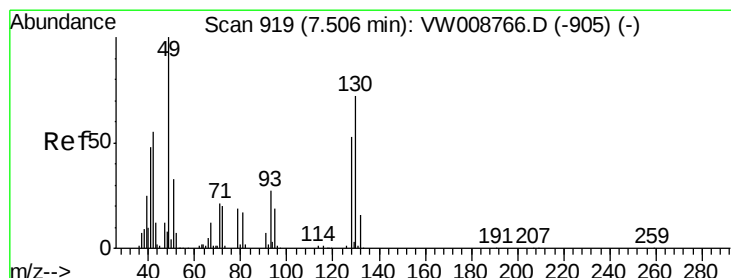
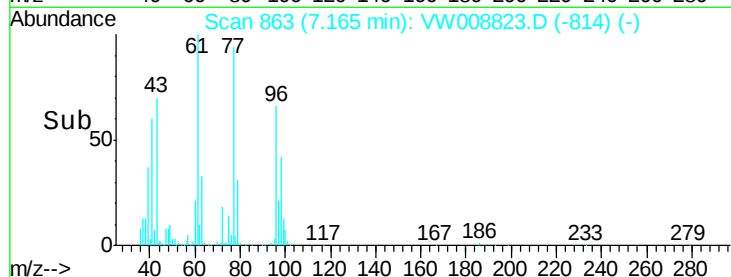
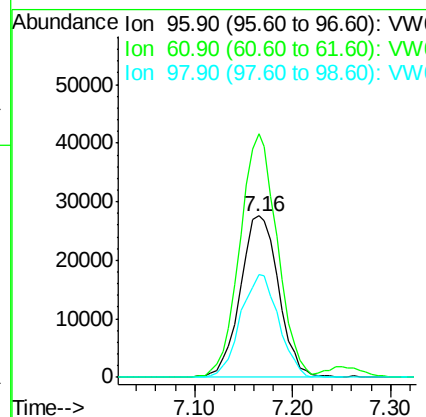
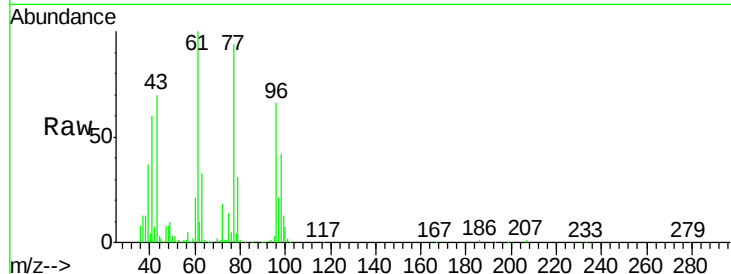
cis-1,2-Dichloroethene
 Concen: 20.716 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	302.6
98	63.4	0.0	130.0

Manual Integrations
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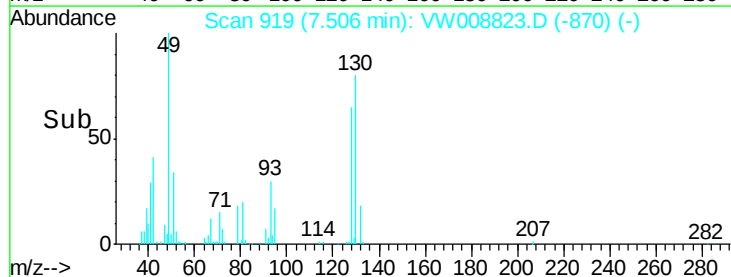
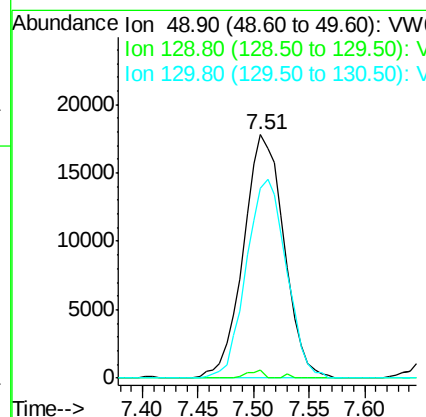
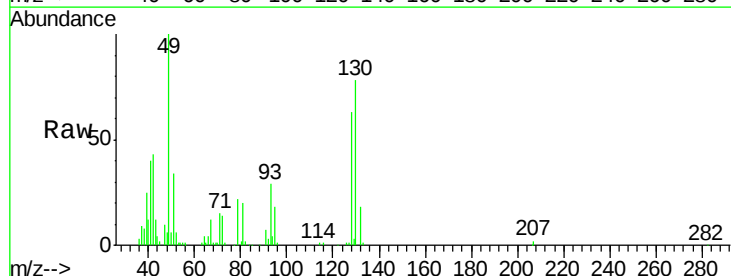
MMDadoda
 2/27/2019 5:20:39 PM

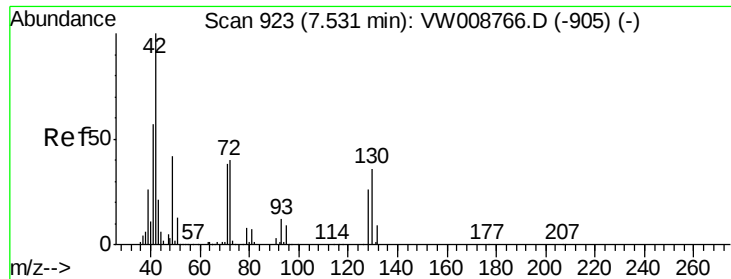


#28

Bromochloromethane
 Concen: 18.553 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.6
130	80.7	61.3	91.9





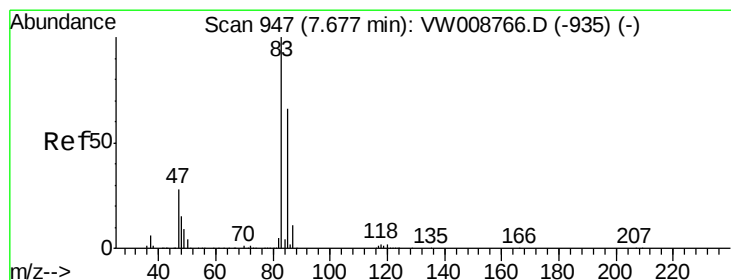
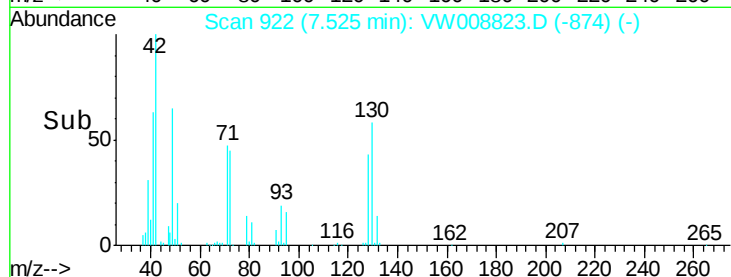
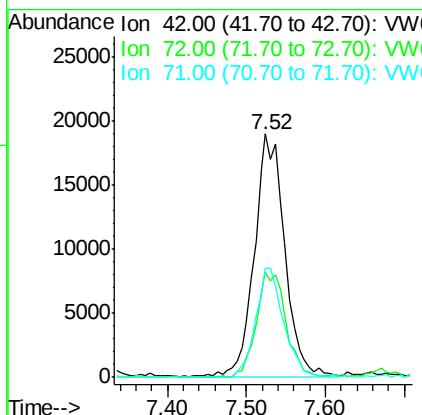
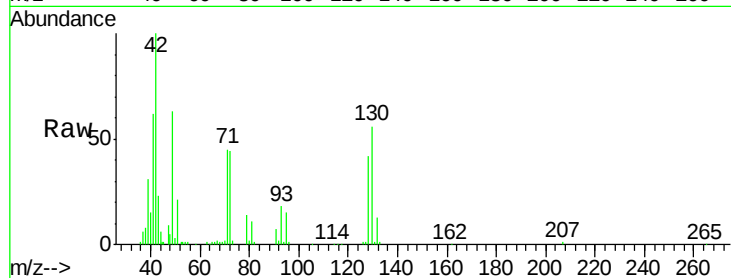
#29
Tetrahydrofuran
Concen: 78.825 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.7	49.1
71	41.3	31.3	46.9

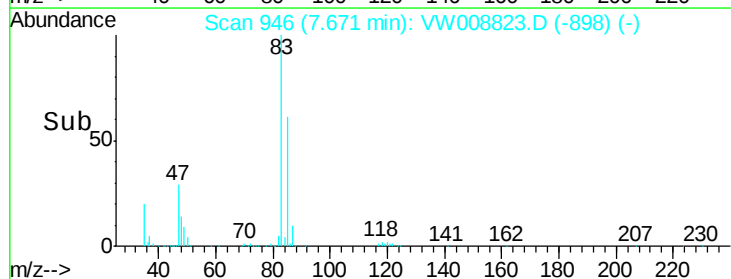
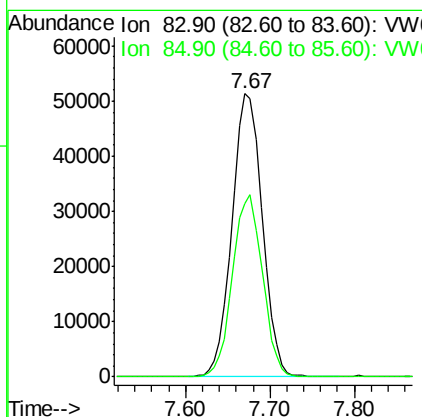
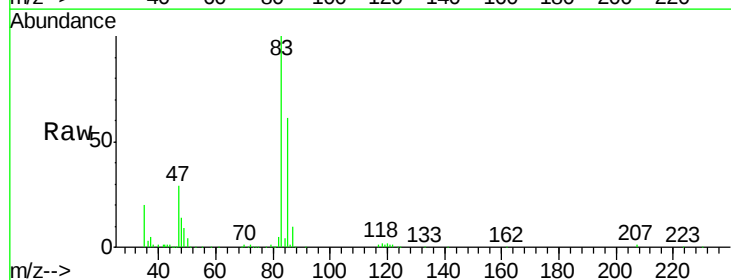
Manual Integrations
APPROVED

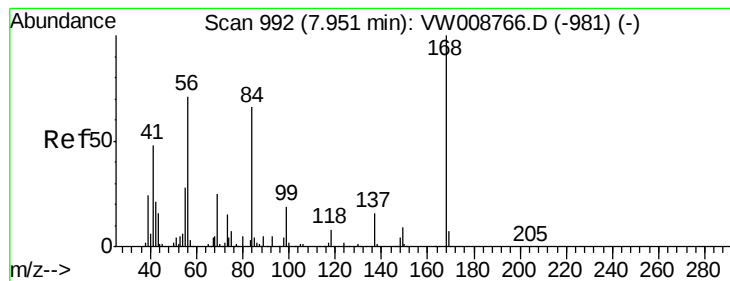
MMDadoda
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#30
Chloroform
Concen: 20.933 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.6	79.0





#31

Cyclohexane

Concen: 21.164 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

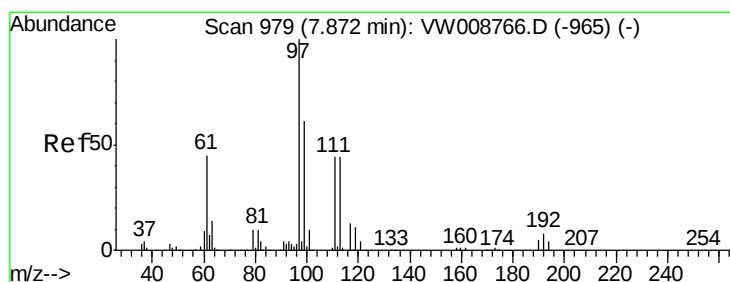
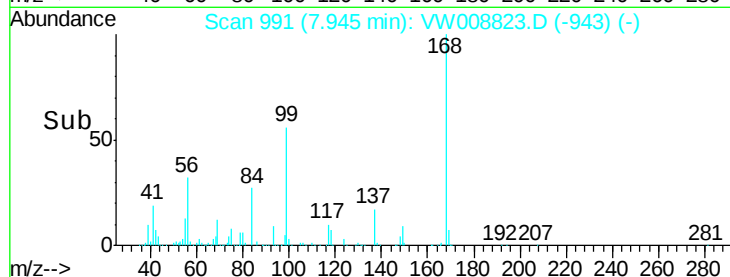
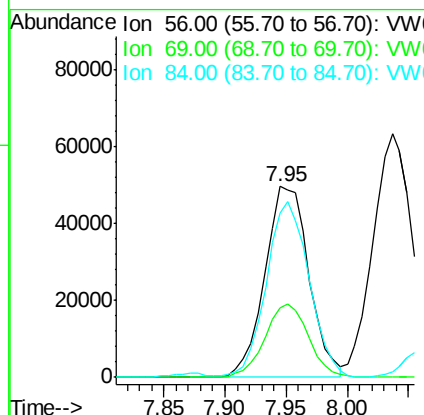
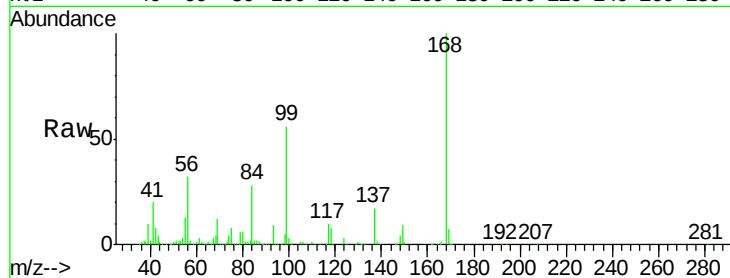
ClientSampleId :

VW0226SBS01

Tot Ion:	56	Resp:	124815
Ion Ratio	Lower	Upper	
56	100		
69	36.4	28.2	42.4
84	84.4	74.1	111.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.274 ug/l

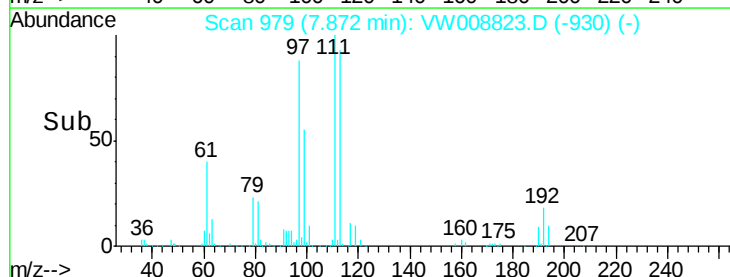
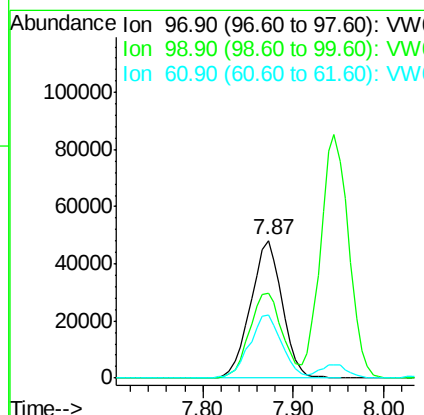
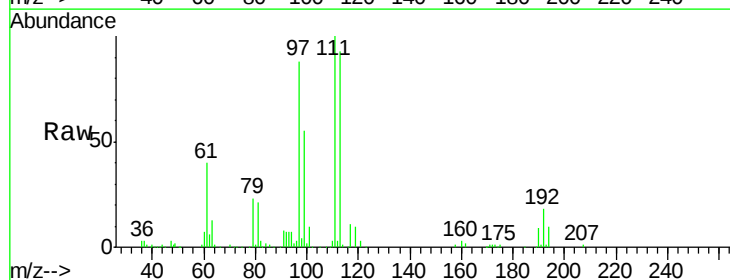
RT: 7.87 min Scan# 979

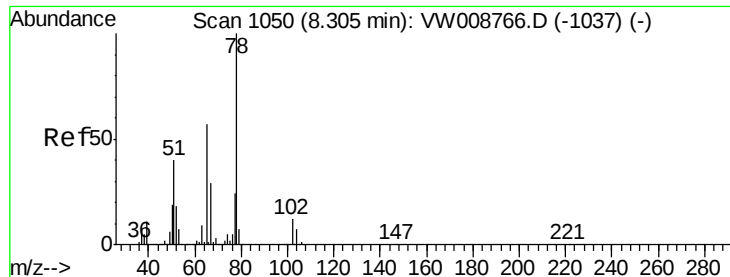
Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion:	97	Resp:	115632
Ion Ratio	Lower	Upper	
97	100		
99	65.3	50.8	76.2
61	46.9	36.0	54.0





#33

1,2-Dichloroethane-d4

Concen: 46.869 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 65 Resp: 146615

Ion Ratio Lower Upper

65 100

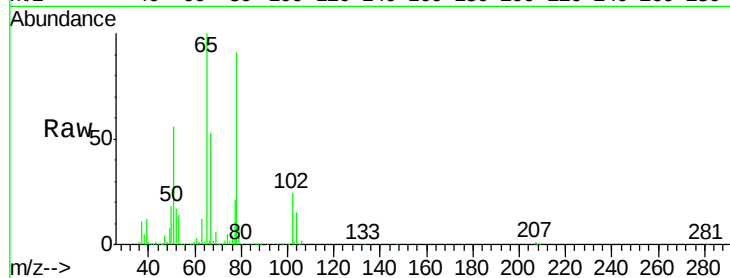
67 51.3 0.0 101.4

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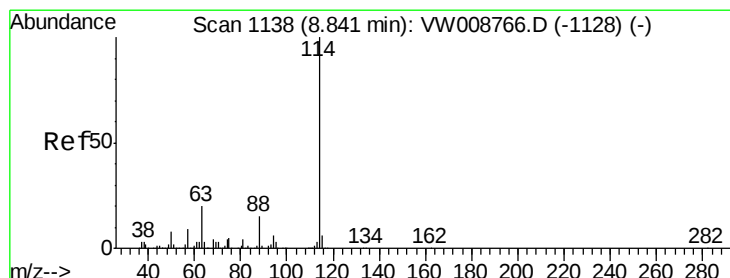
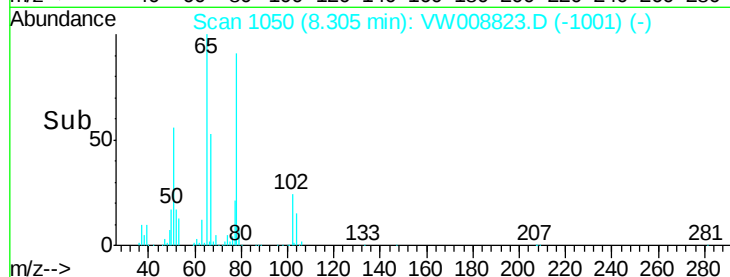
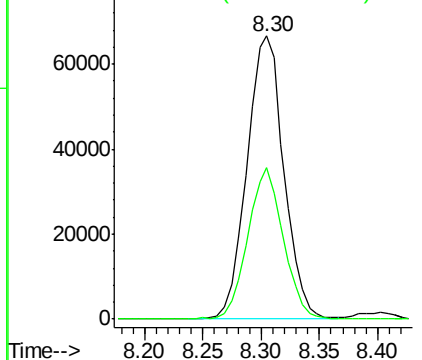
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

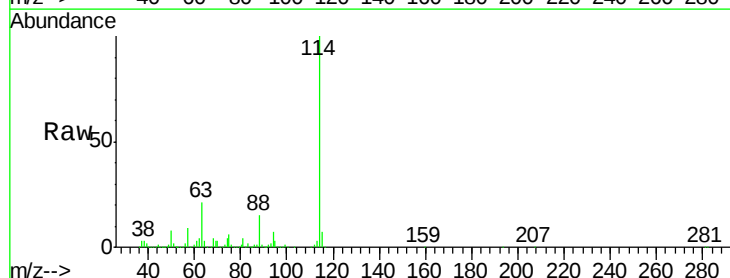
Tgt Ion: 114 Resp: 475149

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

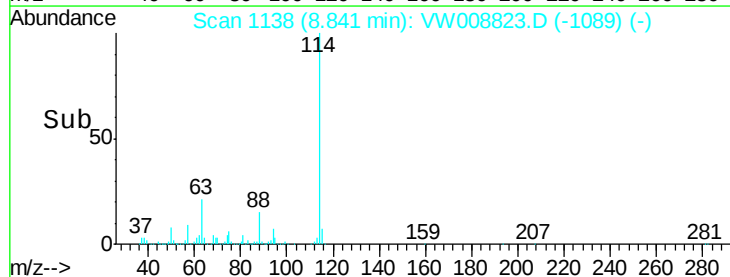
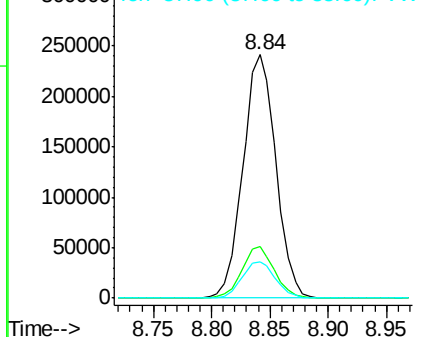
88 15.1 0.0 30.4

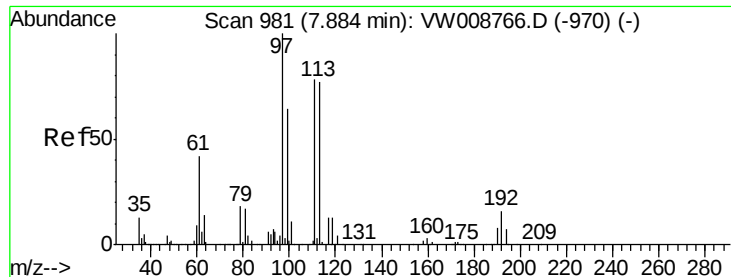


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 50.421 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

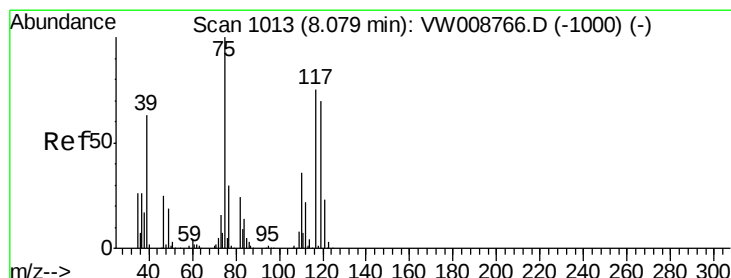
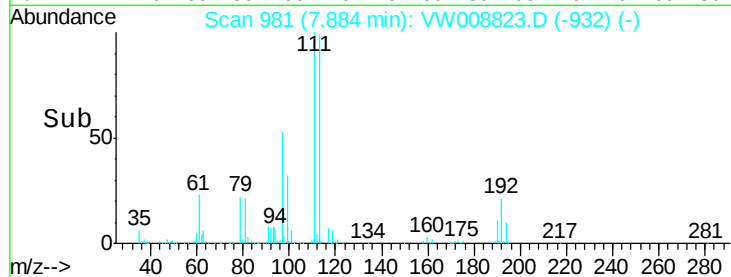
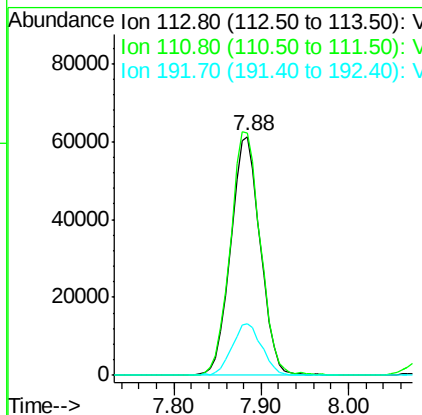
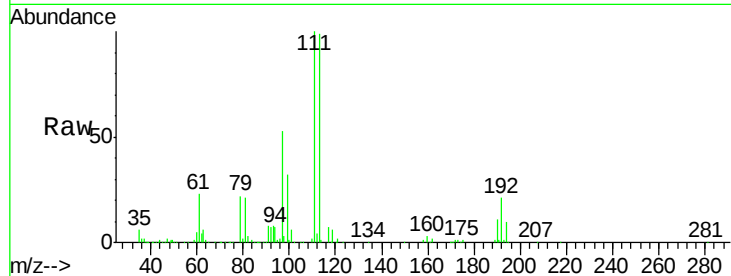
ClientSampleId :

VW0226SBS01

Tot Ion:	113	Resp:	143844
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.9	122.9
192	21.7	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.350 ug/l

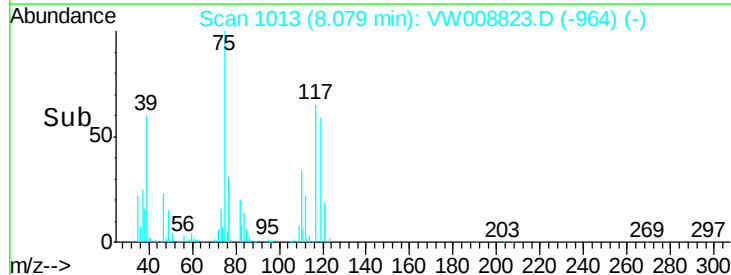
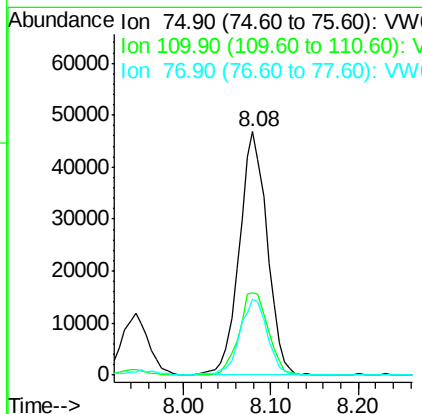
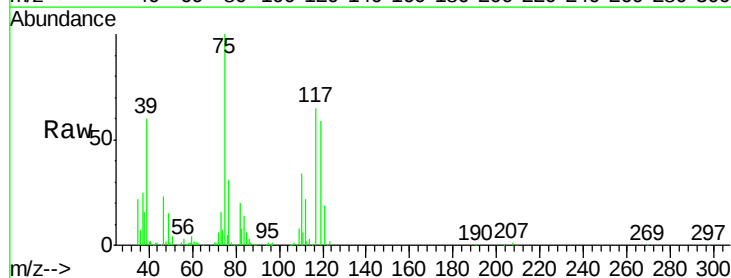
RT: 8.08 min Scan# 1013

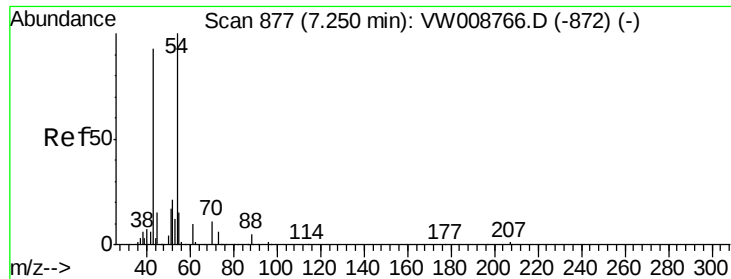
Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion:	75	Resp:	103375
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.5	52.6
77	31.1	24.5	36.7





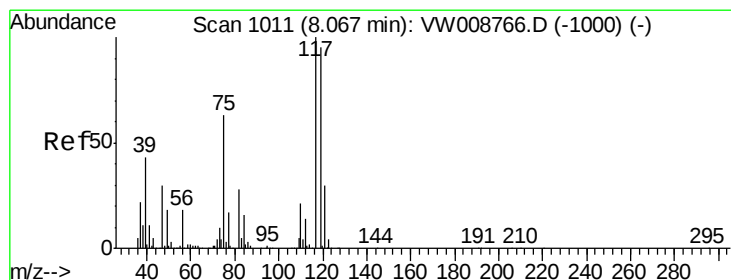
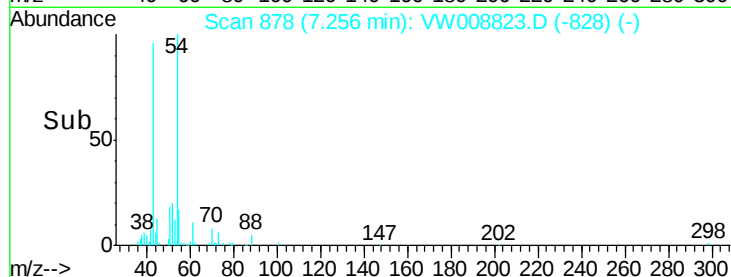
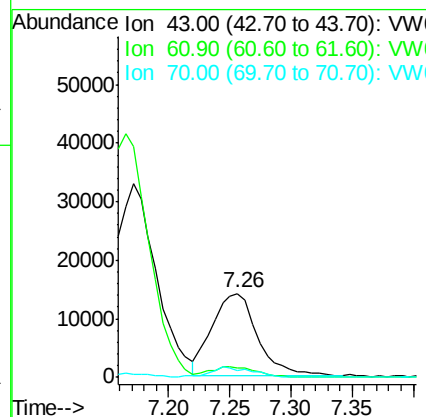
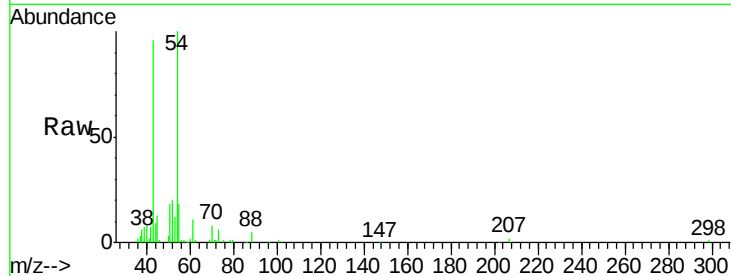
#37
Ethyl Acetate
Concen: 17.016 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampled :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	11.8	8.4	12.6

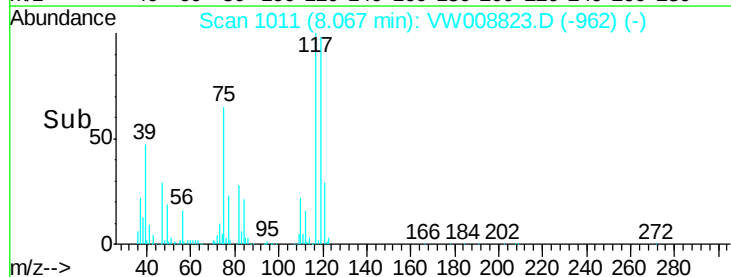
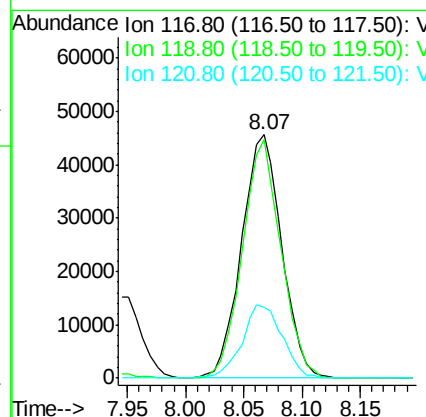
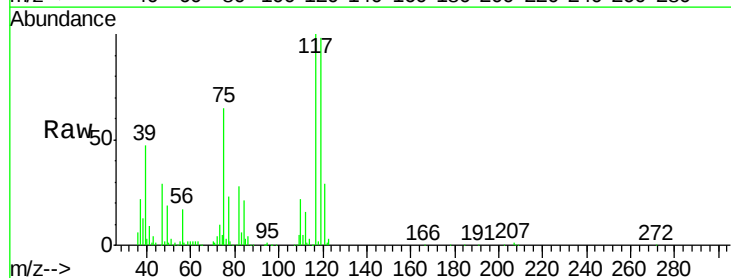
Manual Integrations
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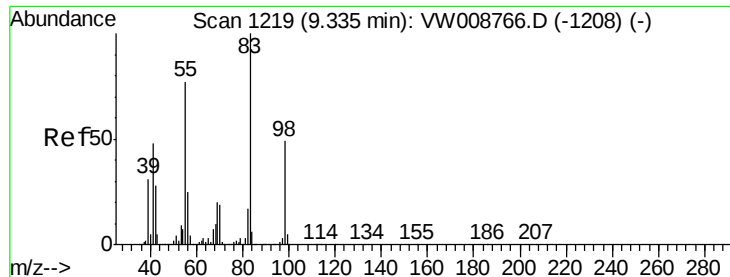
MMDadoda
2/27/2019 5:20:39 PM



#38
Carbon Tetrachloride
Concen: 22.436 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.1	114.1
121	29.1	24.0	36.0





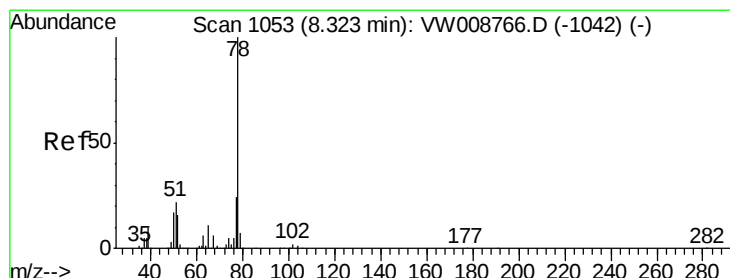
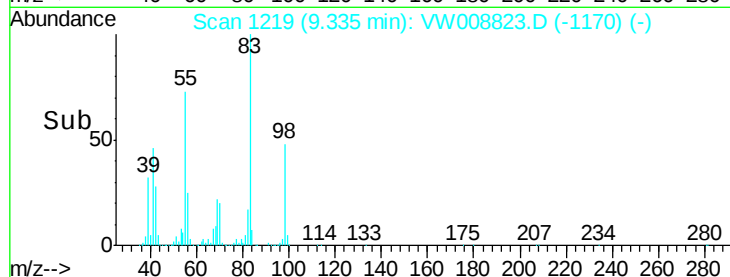
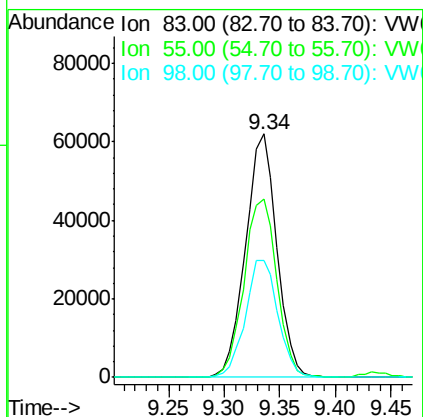
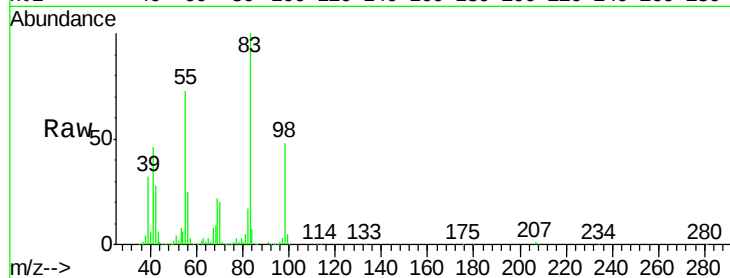
#39
Methvlcvclohexane
Concen: 21.039 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	61.2	91.8
98	48.0	39.4	59.2

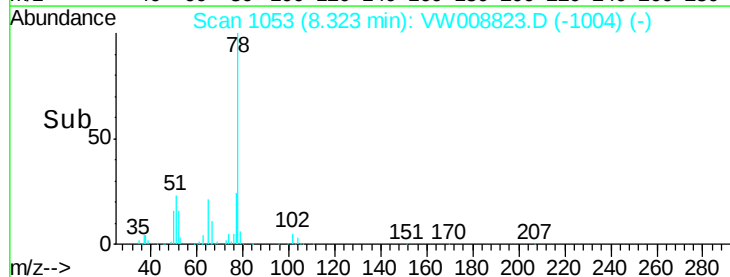
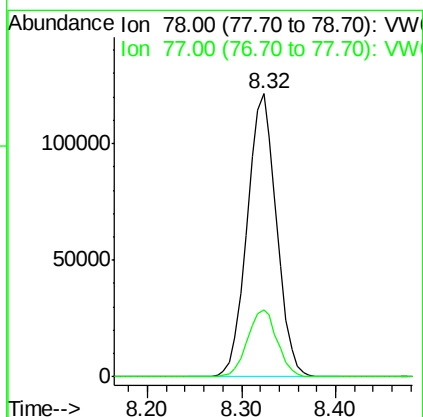
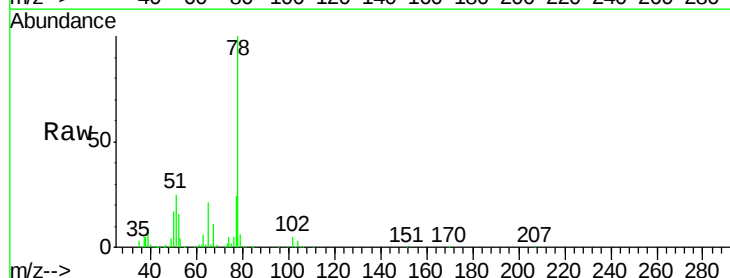
Manual Integrations
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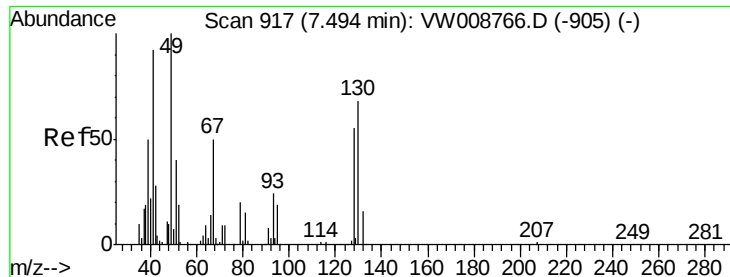
MMDadoda
2/27/2019 5:20:39 PM



#40
Benzene
Concen: 20.991 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





#41

Methacrylonitrile

Concen: 18.043 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

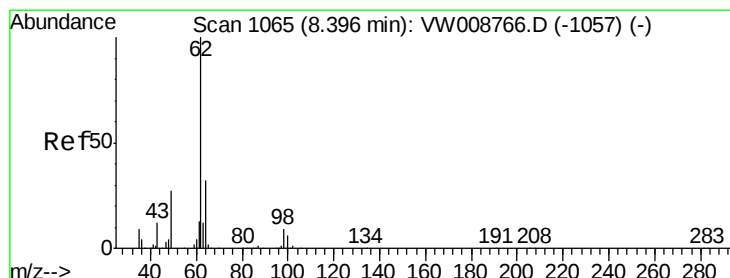
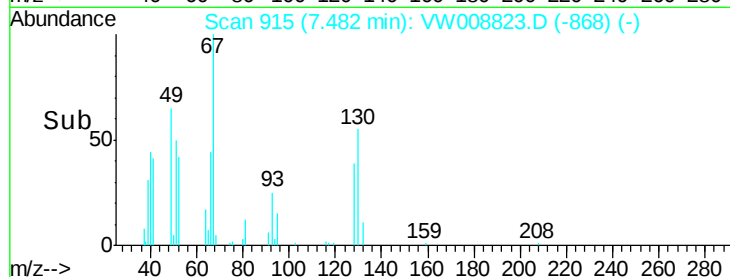
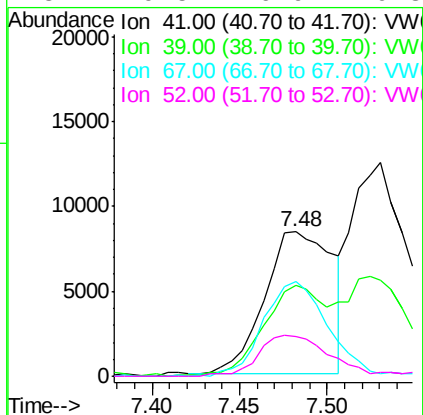
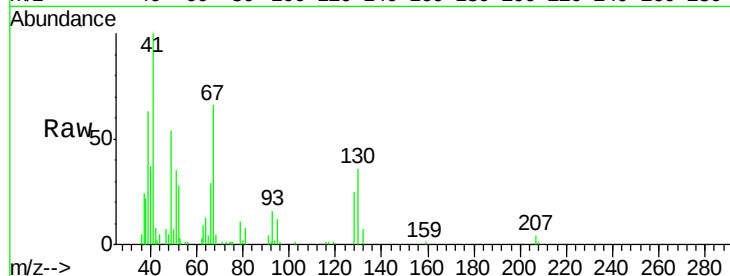
ClientSampleId :

VW0226SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.8	52.5	78.7
67	63.5	55.0	82.6
52	29.5	26.9	40.3

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.359 ug/l

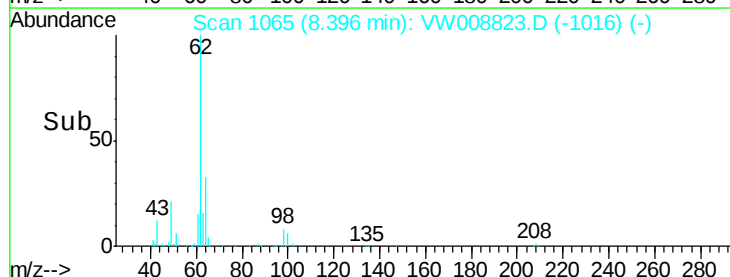
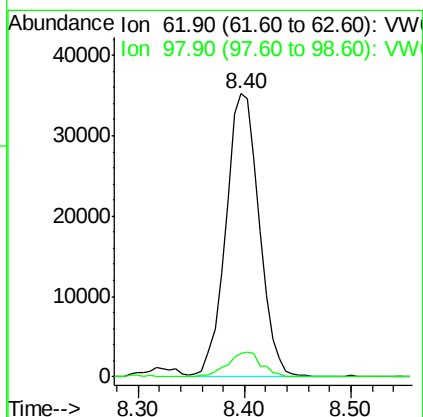
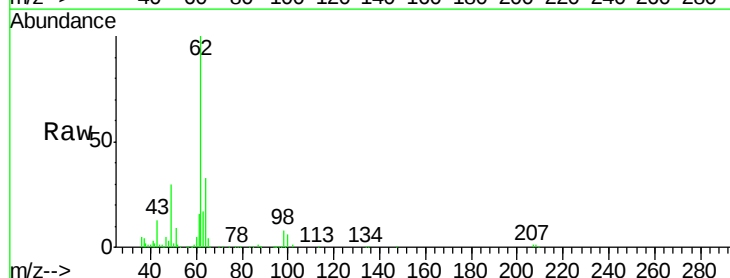
RT: 8.40 min Scan# 1065

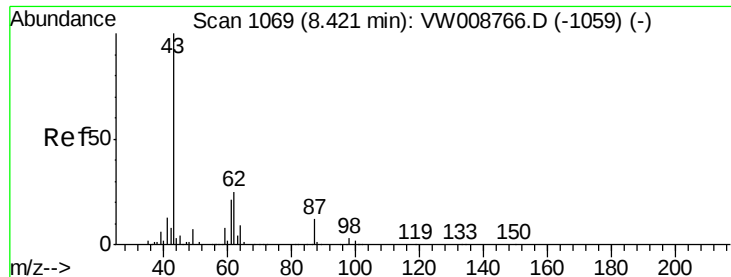
Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 16.593 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

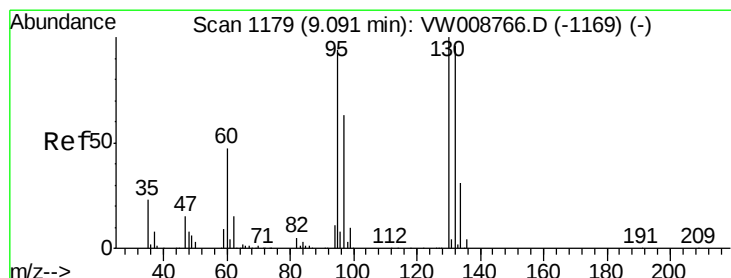
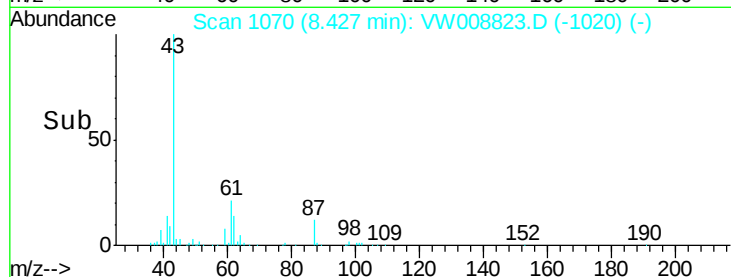
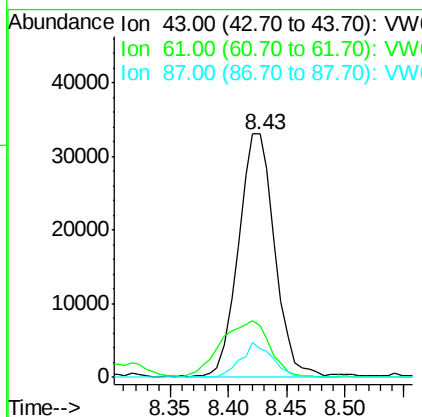
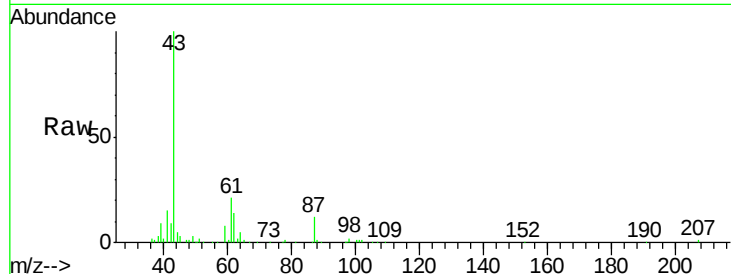
ClientSampleId :

VW0226SBS01

Tot Ion:	43	Resp:	71227
Ion	Ratio	Lower	Upper
43	100		
61	31.5	23.2	34.8
87	12.8	9.9	14.9

Manual Integrations
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2/27/2019 5:20:39 PM



#44

Trichloroethene

Concen: 21.741 ug/l

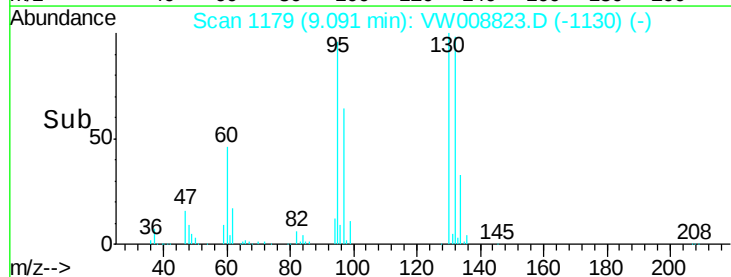
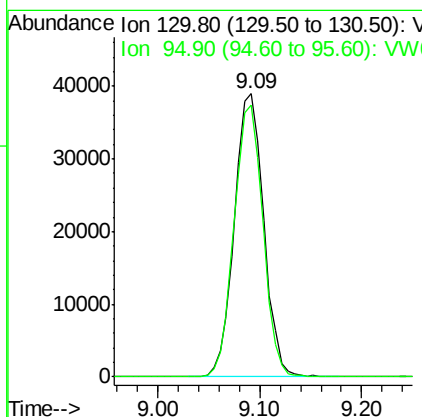
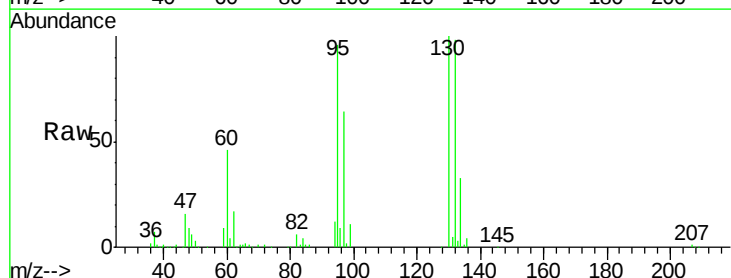
RT: 9.09 min Scan# 1179

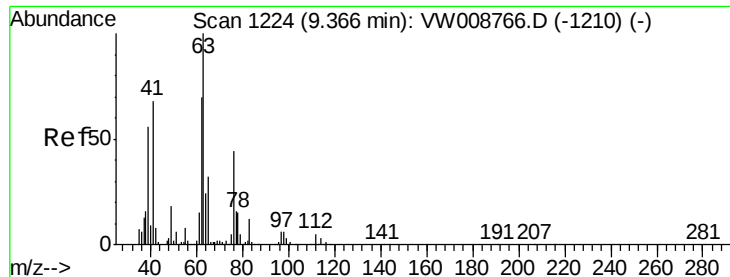
Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion:	130	Resp:	77343
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	188.6





#45

1,2-Dichloropropane

Concen: 20.800 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 63 Resp: 64910

Ion Ratio Lower Upper

63 100

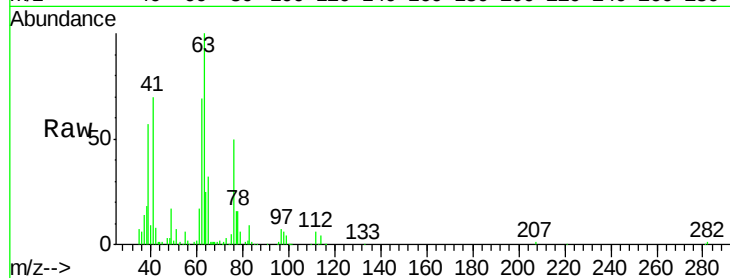
65 32.2 25.5 38.3

Manual Integrations

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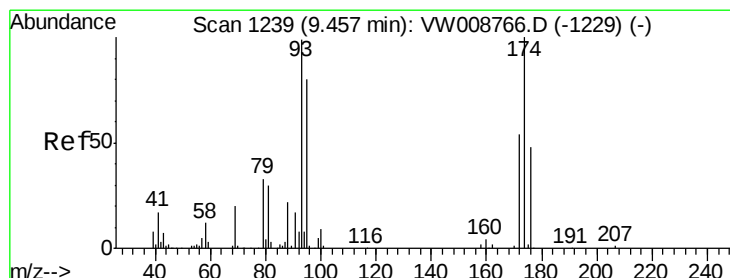
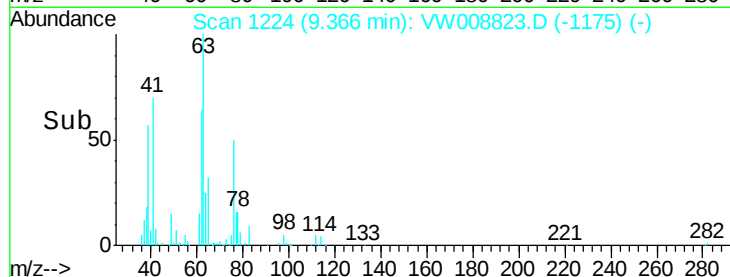
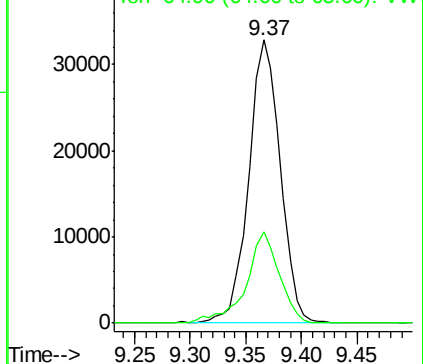
MMDadoda

2/27/2019 5:20:39 PM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.765 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

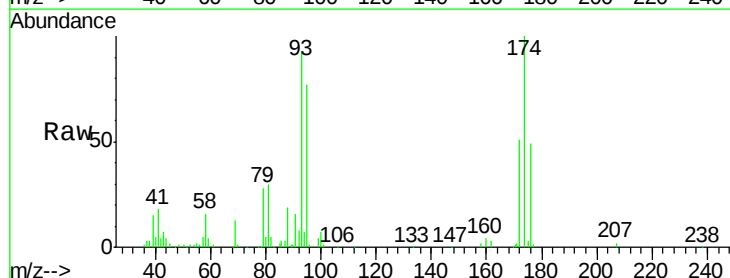
Tgt Ion: 93 Resp: 34308

Ion Ratio Lower Upper

93 100

95 79.9 67.7 101.5

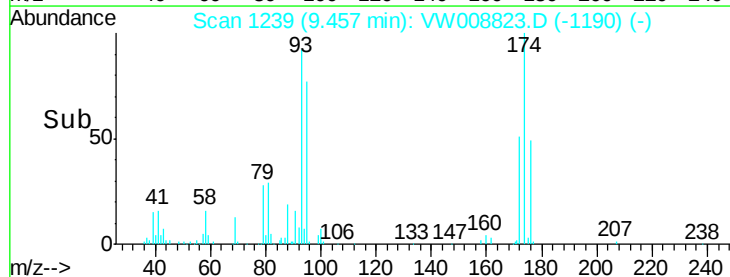
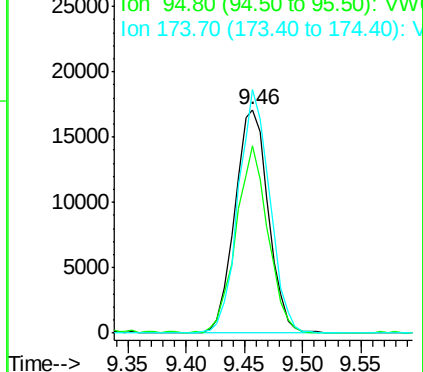
174 102.3 86.7 130.1

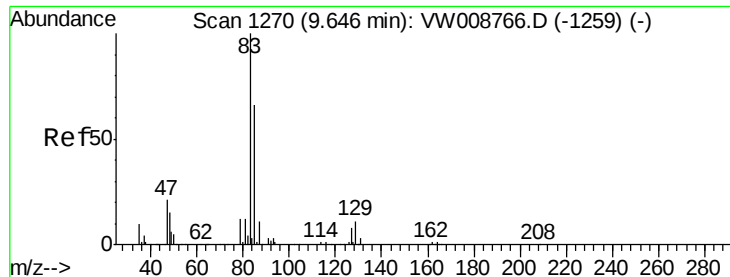


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





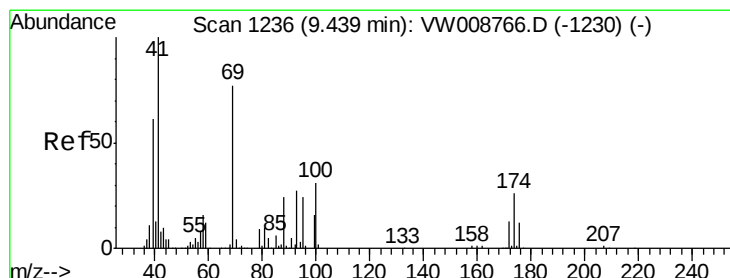
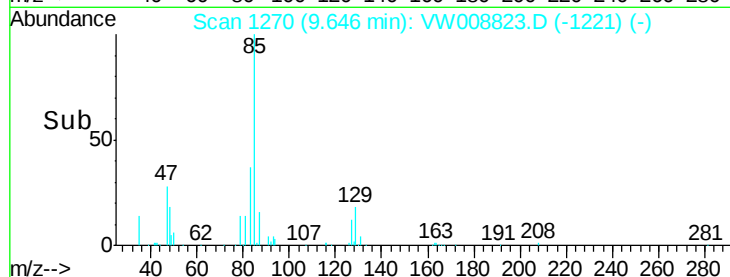
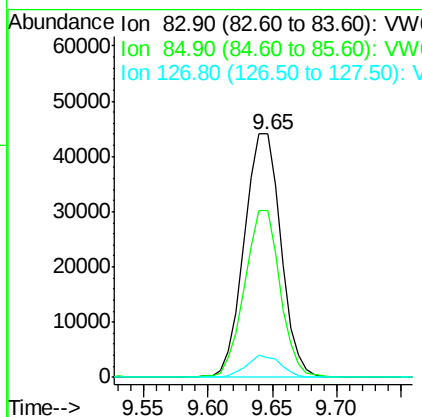
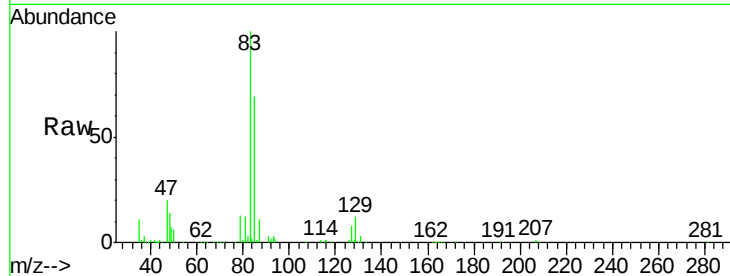
#47
Bromodichloromethane
Concen: 20.528 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	83	Resp	86696
Ion Ratio	100	Lower	Upper
83	100		
85	68.7	52.5	78.7
127	8.1	6.7	10.1

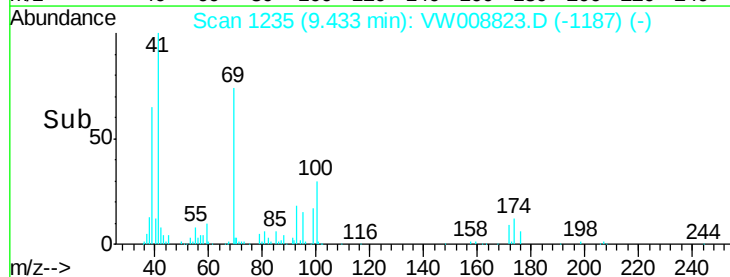
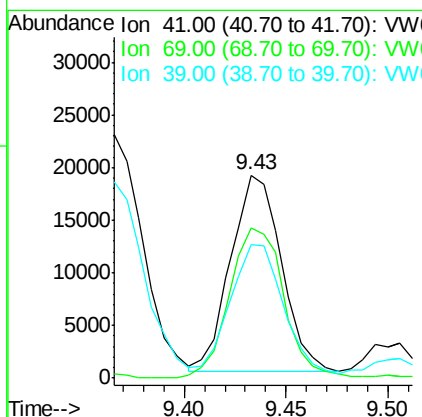
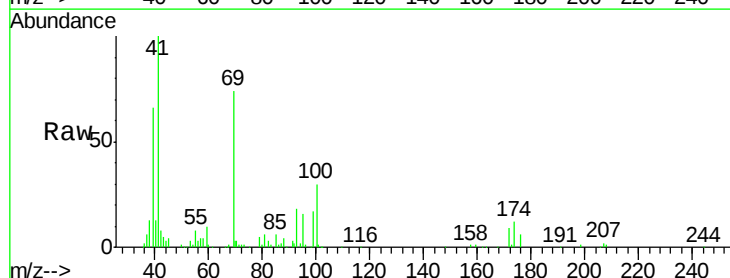
Manual Integrations
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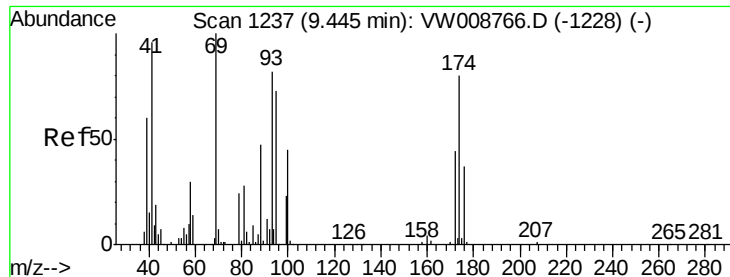
MMDadoda
2/27/2019 5:20:39 PM



#48
Methyl methacrylate
Concen: 15.579 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	41	Resp	32030
Ion Ratio	100	Lower	Upper
41	100		
69	82.7	63.6	95.4
39	68.8	52.1	78.1





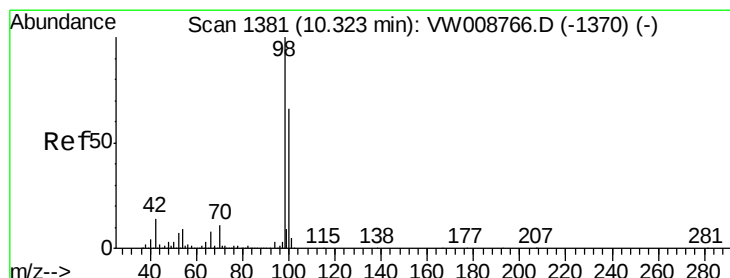
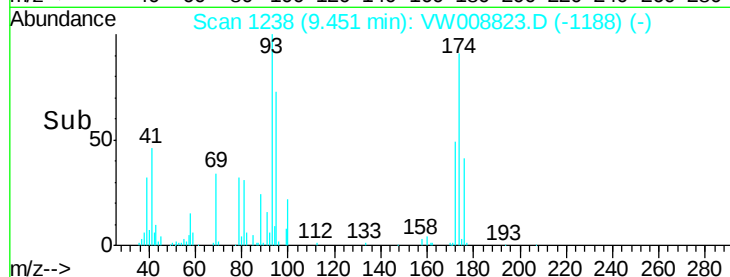
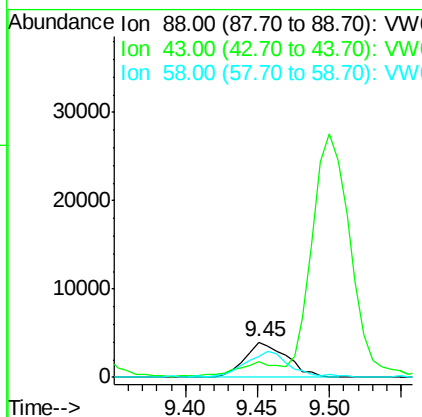
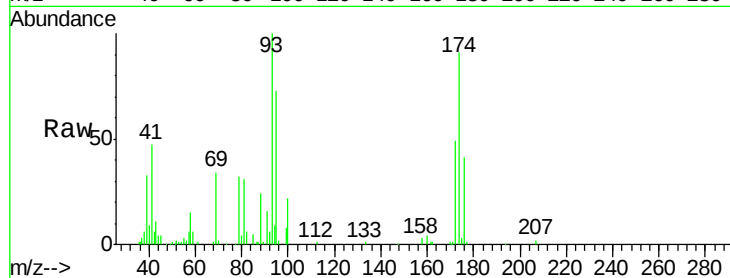
#49
1,4-Dioxane
Concen: 285.311 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.6	29.0	43.4
58	83.3	52.0	78.0

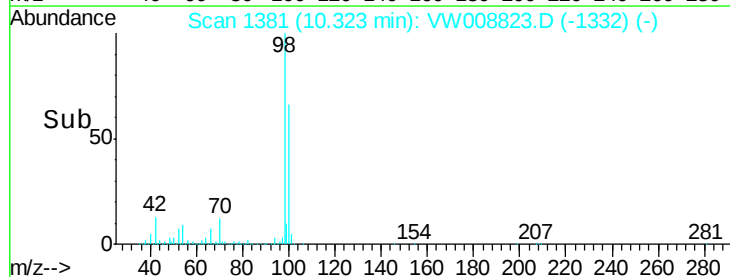
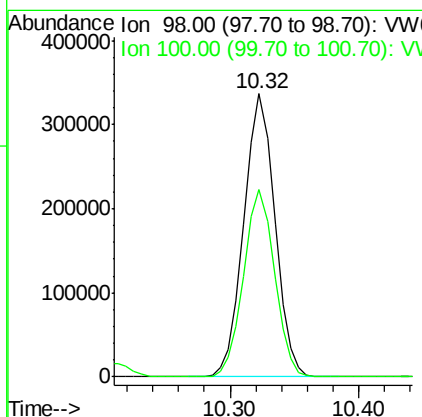
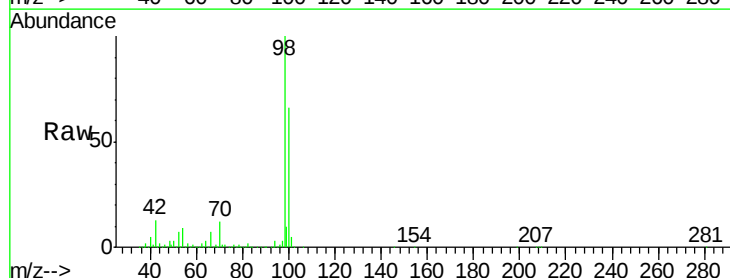
Manual Integrations
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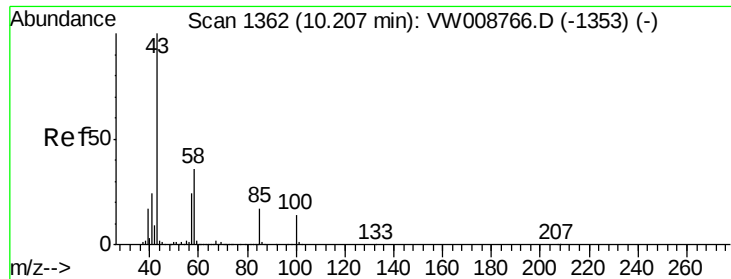
MMDadoda
2/27/2019 5:20:39 PM



#50
Toluene-d8
Concen: 51.040 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 78.670 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 43 Resp: 171453

Ion Ratio Lower Upper

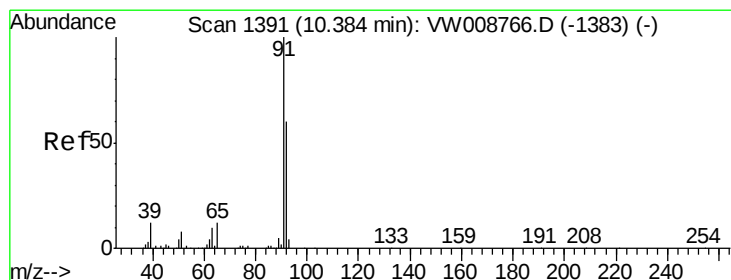
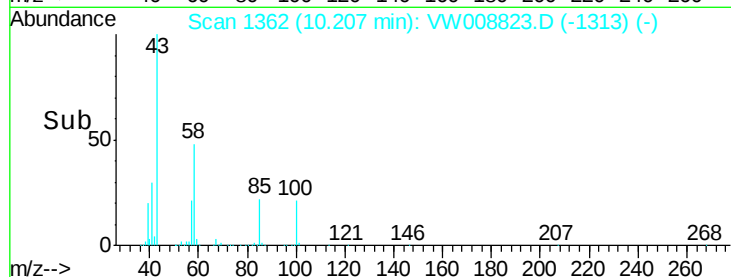
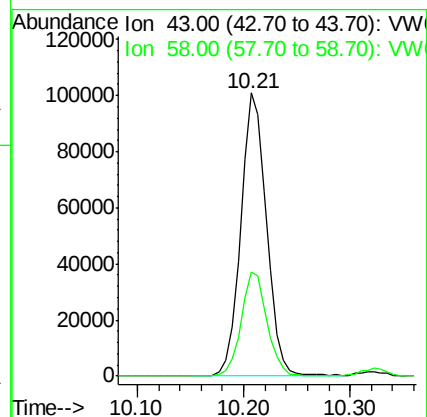
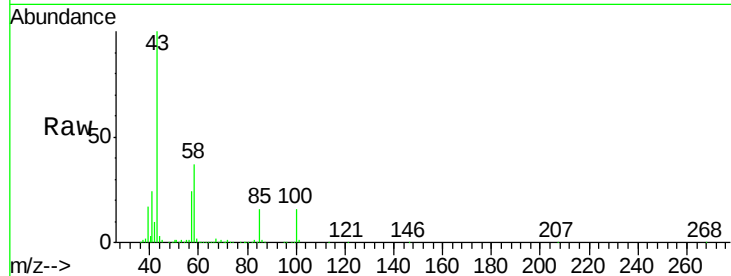
43 100

58 37.1 29.1 43.7

Manual Integrations
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2/27/2019 5:20:39 PM



#52

Toluene

Concen: 20.700 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008823.D

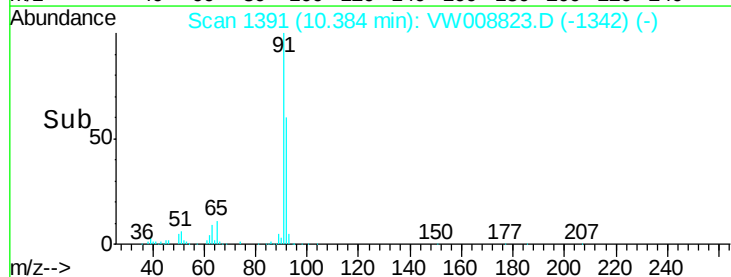
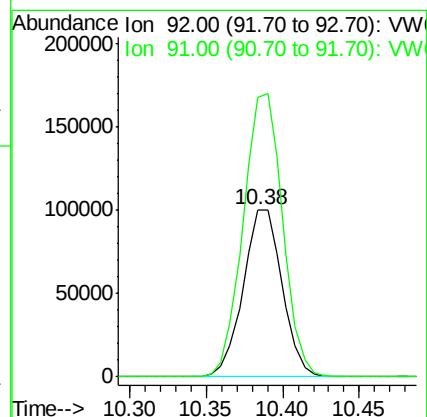
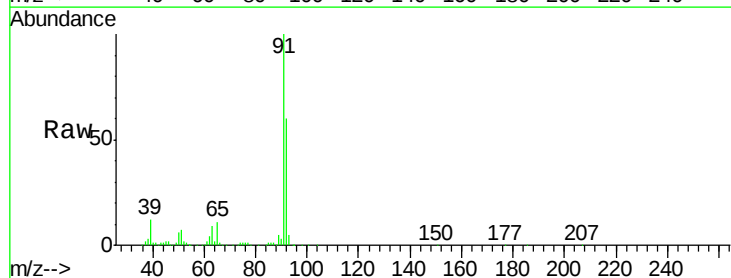
Acq: 26 Feb 2019 11:56

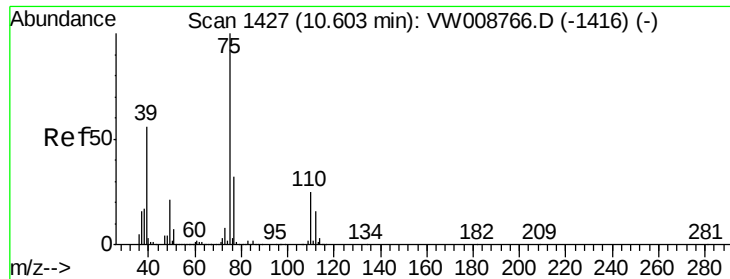
Tgt Ion: 92 Resp: 177414

Ion Ratio Lower Upper

92 100

91 171.7 136.9 205.3





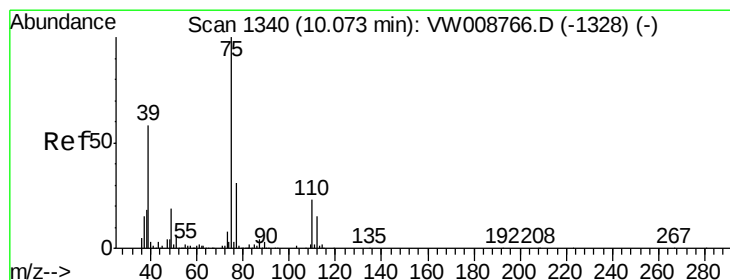
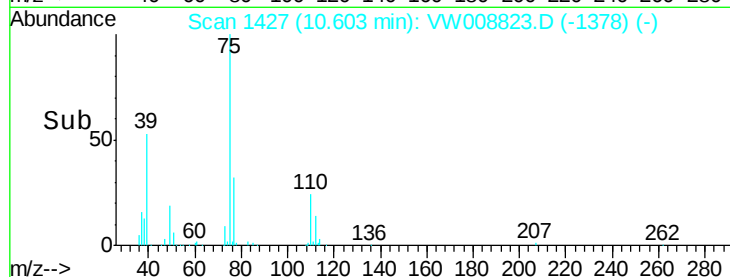
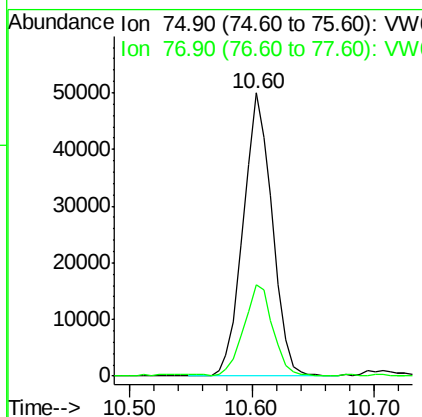
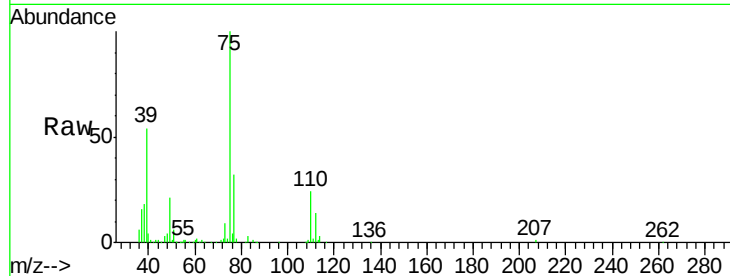
#53
t-1,3-Dichloropropene
Concen: 19.122 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampled :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.1	39.1

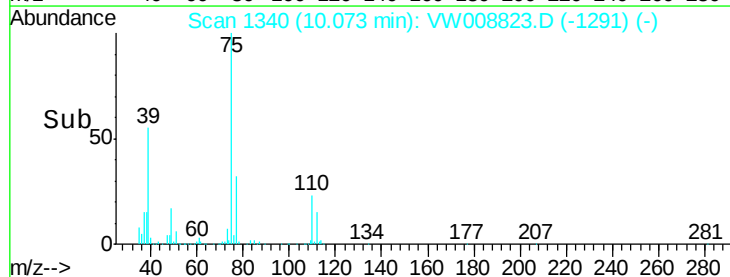
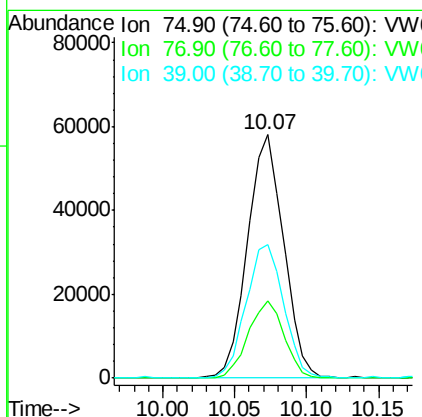
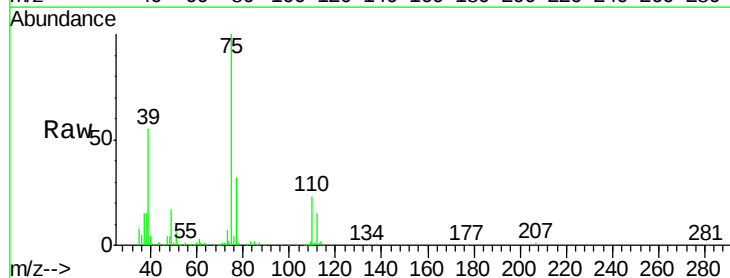
Manual Integrations
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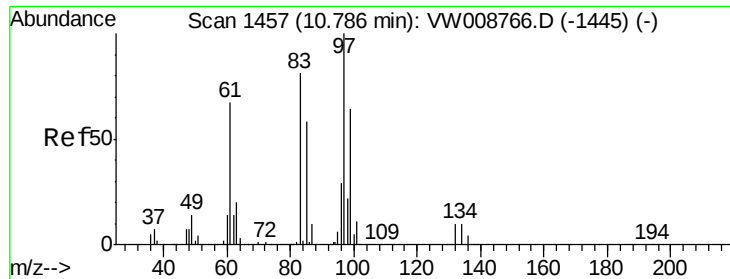
MMDadoda
2/27/2019 5:20:39 PM



#54
cis-1,3-Dichloropropene
Concen: 20.555 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	54.7	46.6	70.0





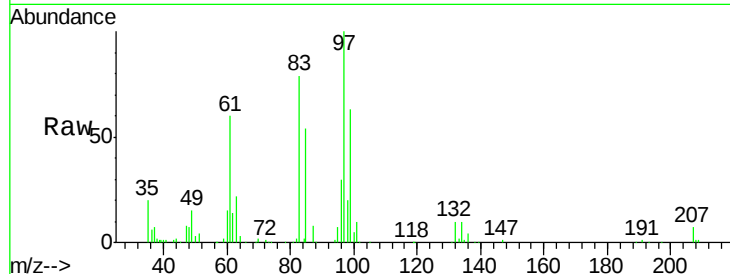
#55
 1,1,2-Trichloroethane
 Concen: 19.079 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion:	97	Resp:	44913
Ion	Ratio	Lower	Upper
97	100		
83	80.2	65.0	97.6
85	54.5	46.0	69.0
99	64.2	51.1	76.7

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 5:20:39 PM



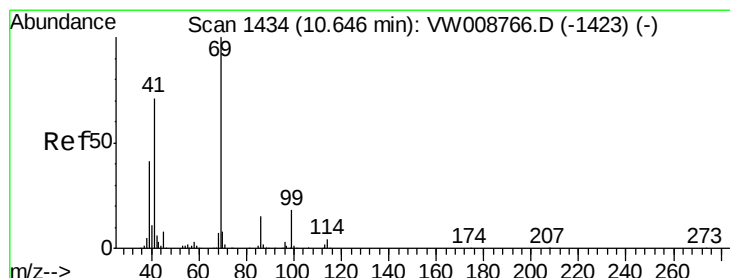
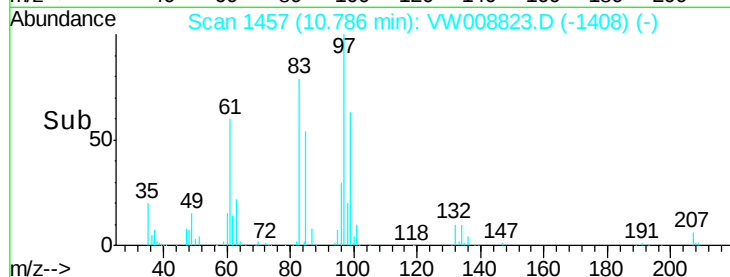
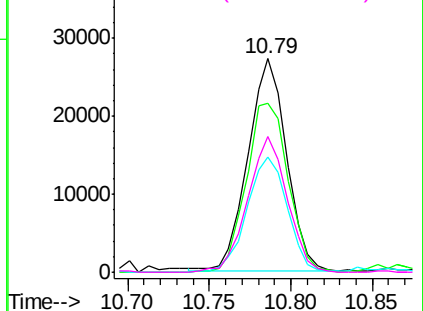
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

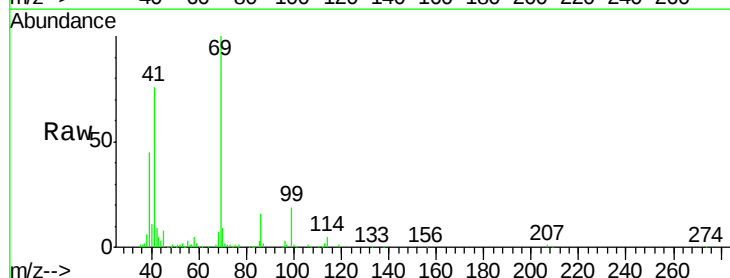
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 17.002 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Tgt Ion:	69	Resp:	52000
Ion	Ratio	Lower	Upper
69	100		
41	72.1	57.4	86.0
39	43.1	34.8	52.2

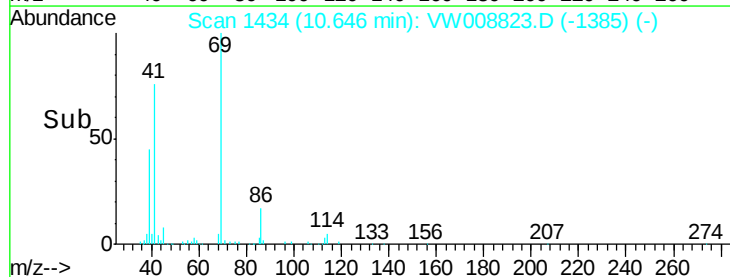
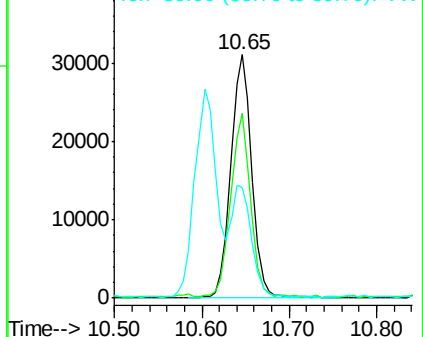


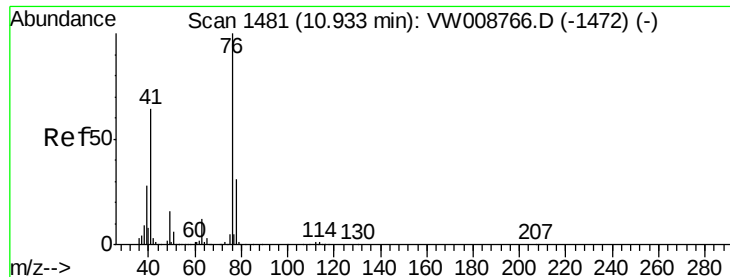
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





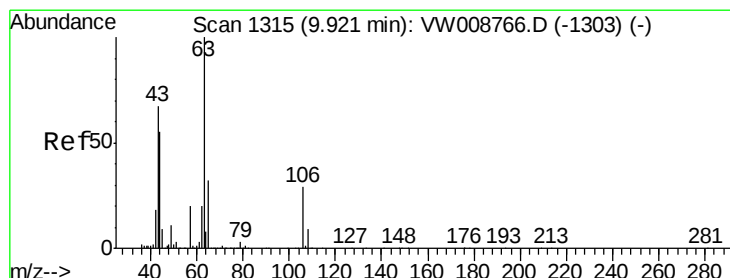
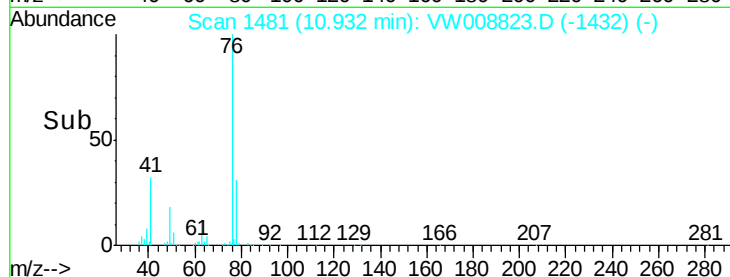
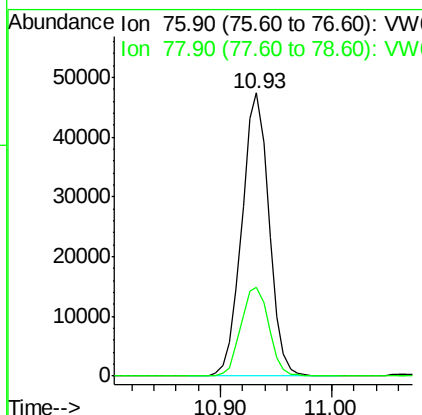
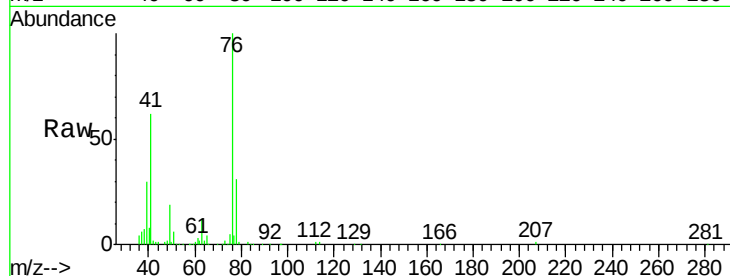
#57
 1,3-Dichloropropane
 Concen: 19.284 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

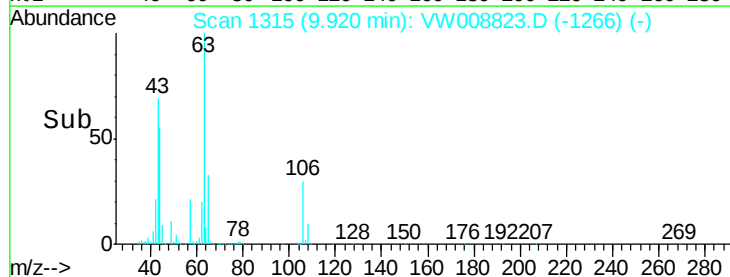
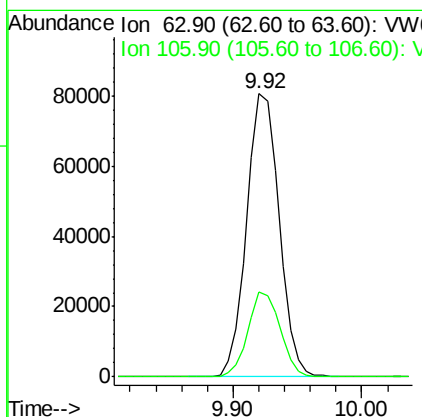
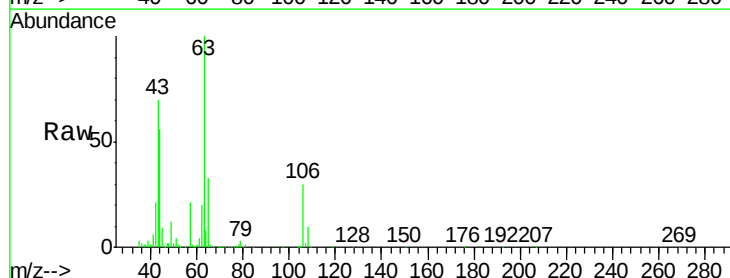
Manual Integrations
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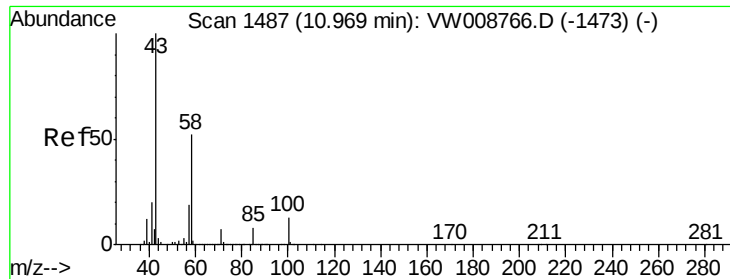
MMDadoda
 2/27/2019 5:20:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.393 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	24.0	36.0





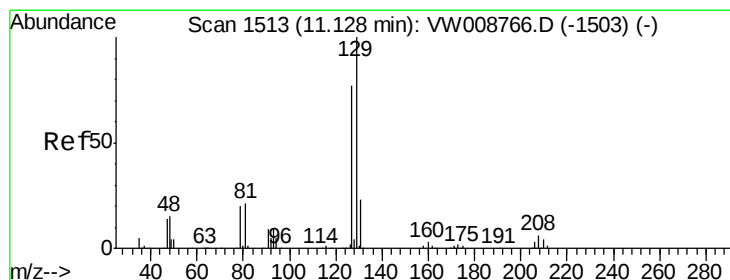
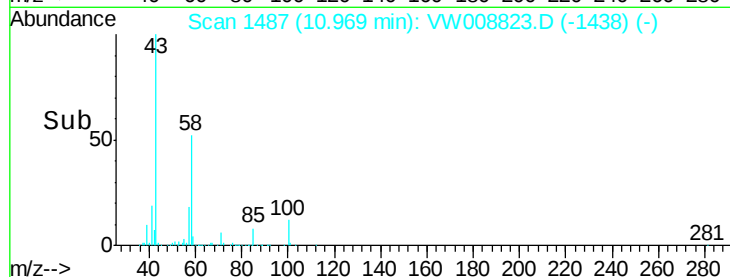
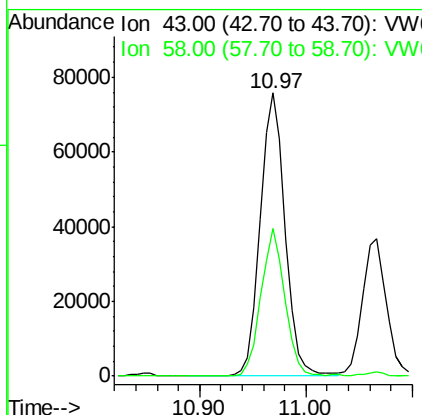
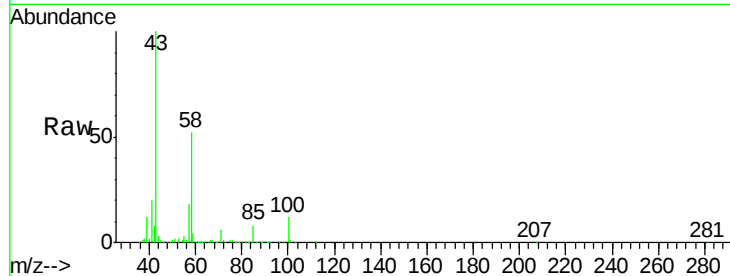
#59
2-Hexanone
Concen: 80.119 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion: 43 Resp: 124295
Ion Ratio Lower Upper
43 100
58 50.0 25.3 75.8

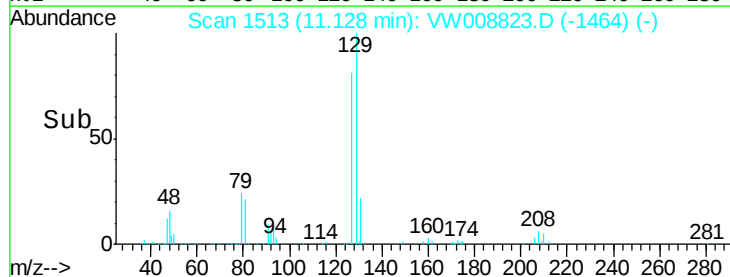
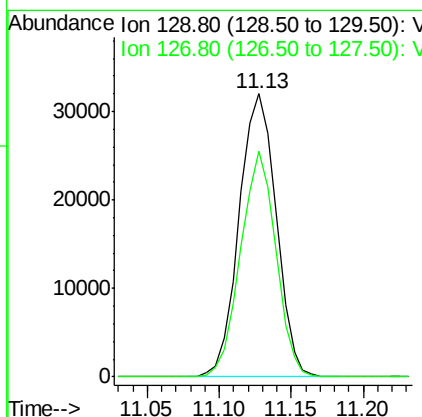
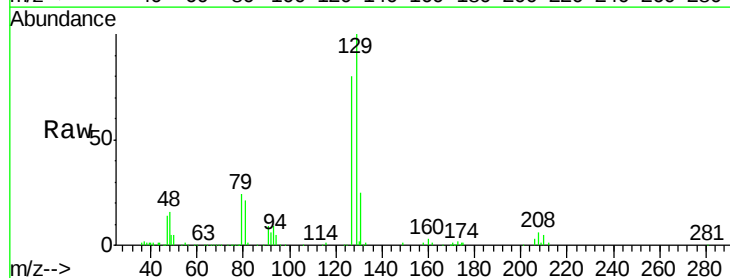
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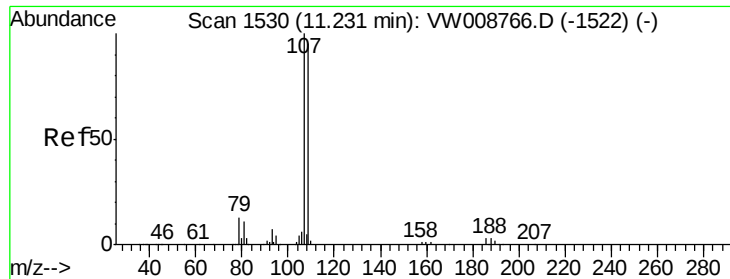
MMDadoda
2/27/2019 5:20:39 PM



#60
Dibromochloromethane
Concen: 19.877 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion: 129 Resp: 57074
Ion Ratio Lower Upper
129 100
127 75.8 39.0 116.9





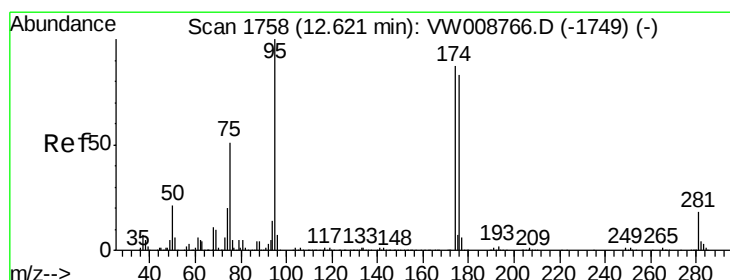
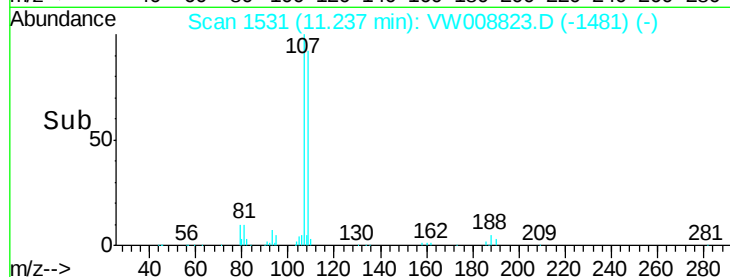
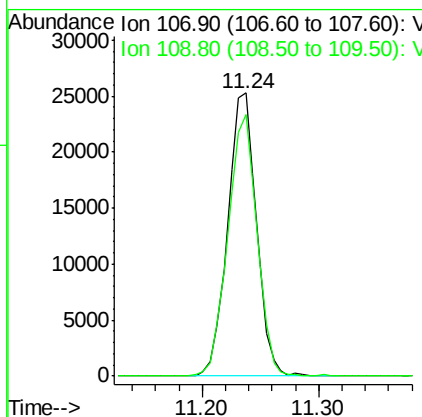
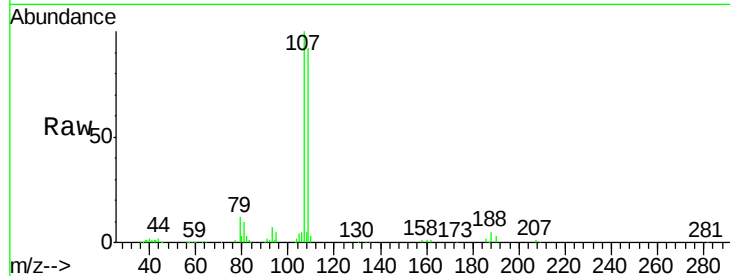
#61
 1,2-Dibromoethane
 Concen: 18.615 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion: 107 Resp: 43376
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4

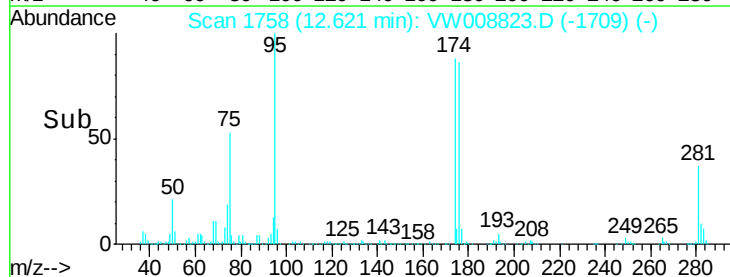
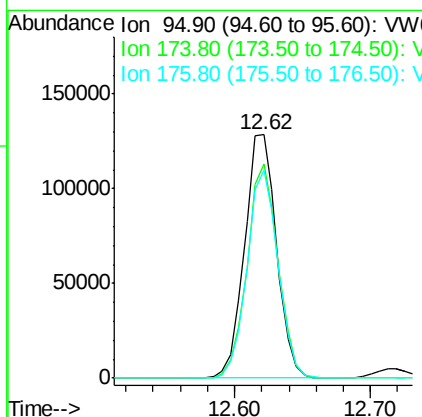
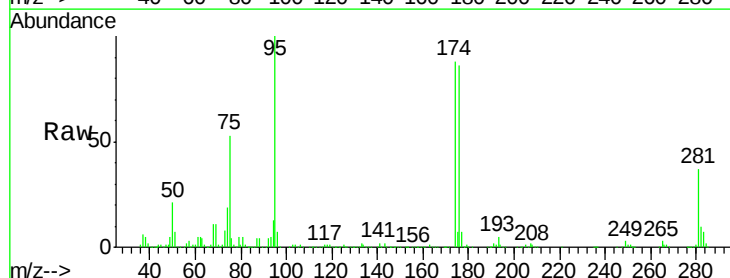
Manual Integrations
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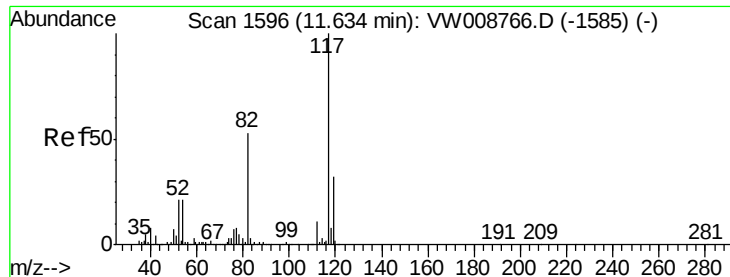
MMDadoda
 2/27/2019 5:20:39 PM



#62
 4-Bromofluorobenzene
 Concen: 49.036 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Tgt Ion: 95 Resp: 211444
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 169.2
 176 82.9 0.0 163.6





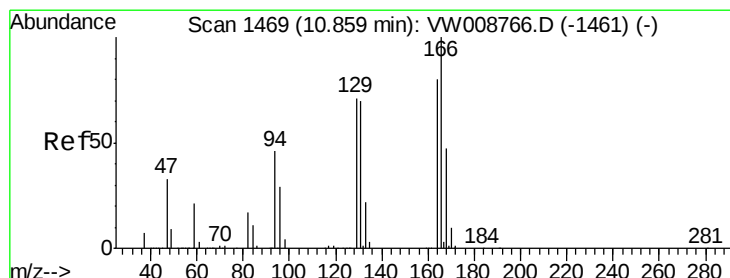
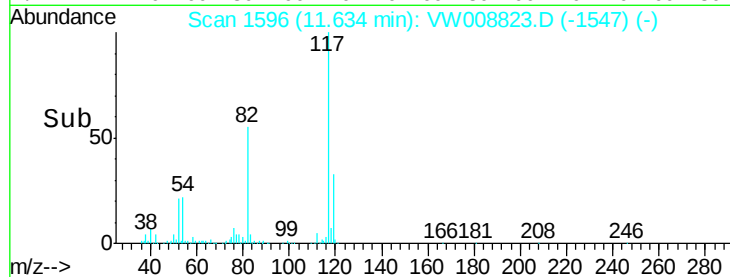
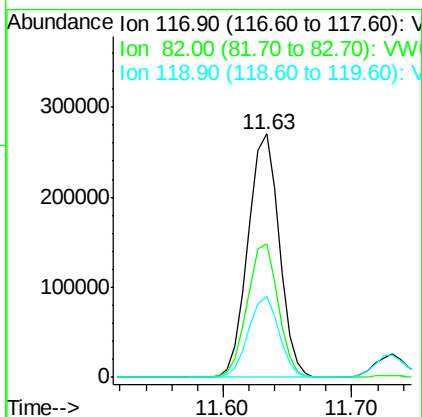
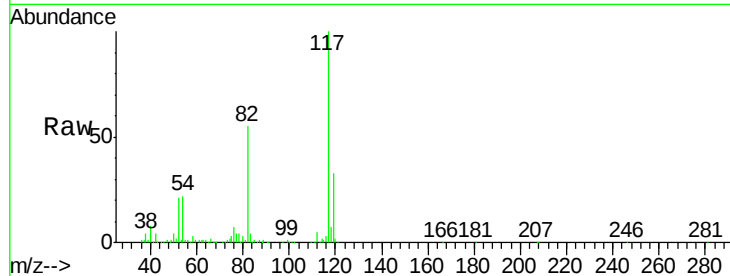
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.2	63.4
119	33.5	25.9	38.9

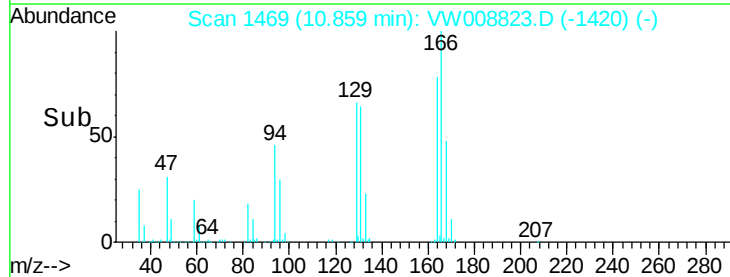
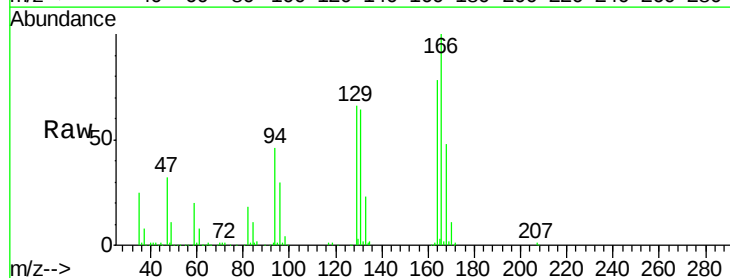
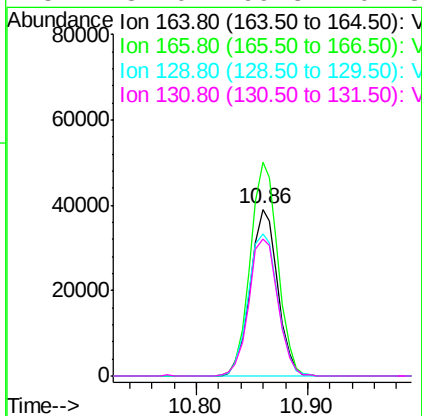
Manual Integrations
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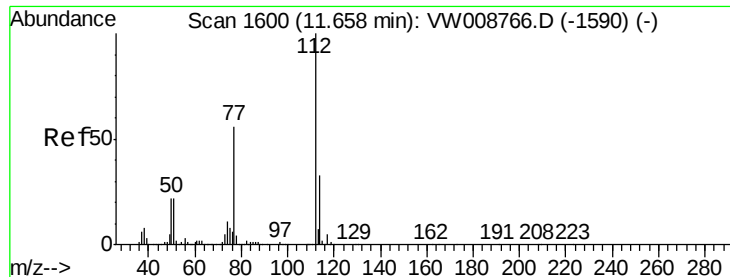
MMDadoda
2/27/2019 5:20:39 PM



#64
Tetrachloroethene
Concen: 20.781 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	99.5	149.3
129	85.0	71.1	106.7
131	82.0	69.8	104.8





#65

Chlorobenzene

Concen: 20.661 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

VW0226SBS01

Tot Ion:112 Resp: 195700

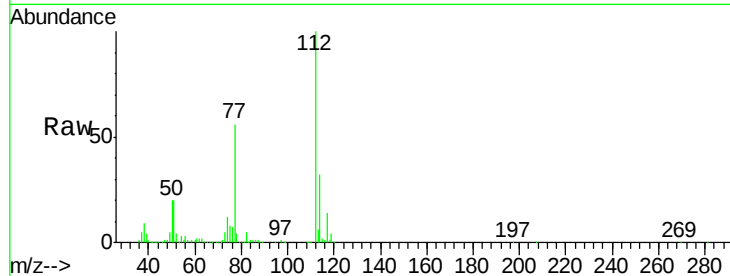
Ion Ratio Lower Upper

112 100

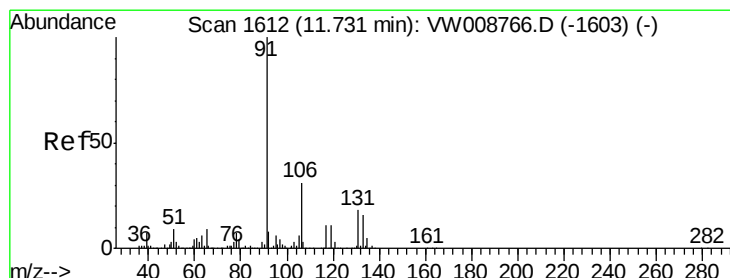
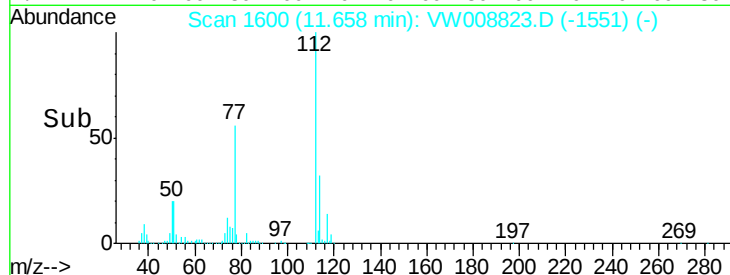
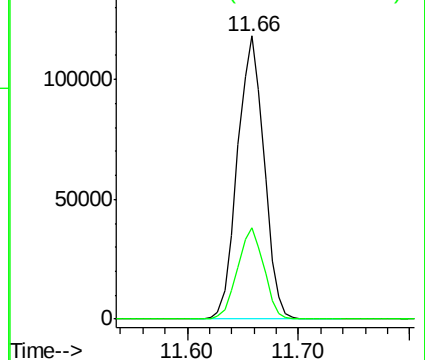
114 32.4 26.6 40.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.480 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

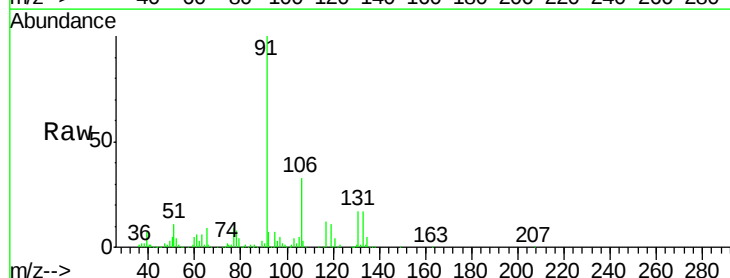
Tgt Ion:131 Resp: 65594

Ion Ratio Lower Upper

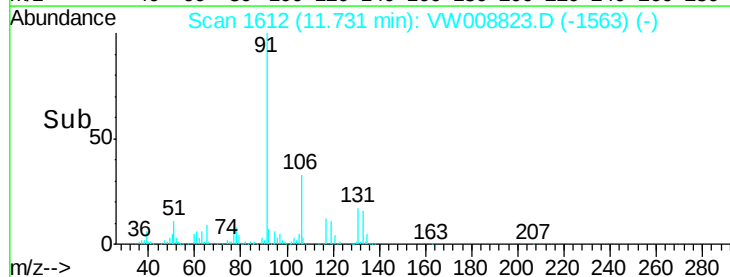
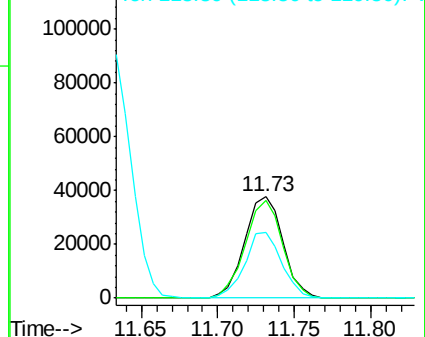
131 100

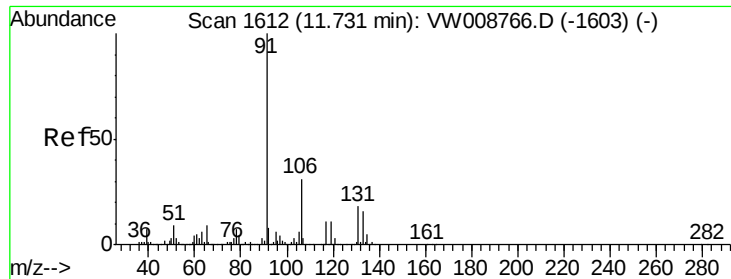
133 94.5 46.7 140.0

119 63.4 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





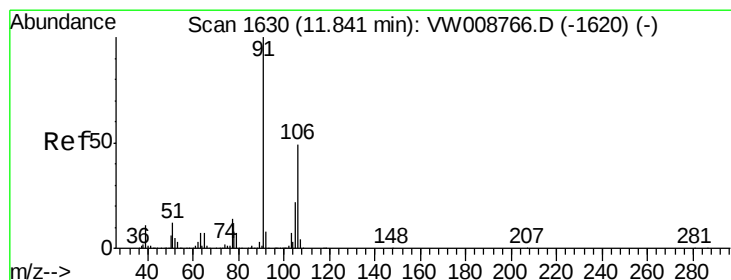
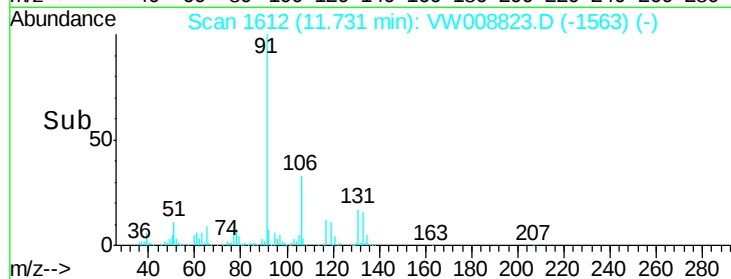
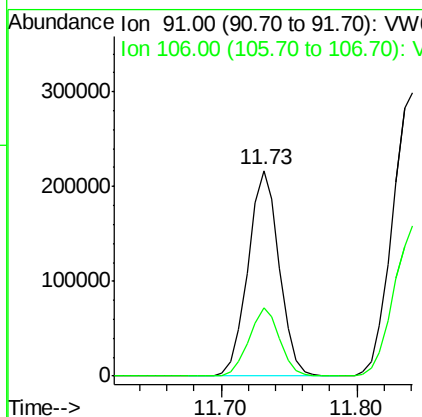
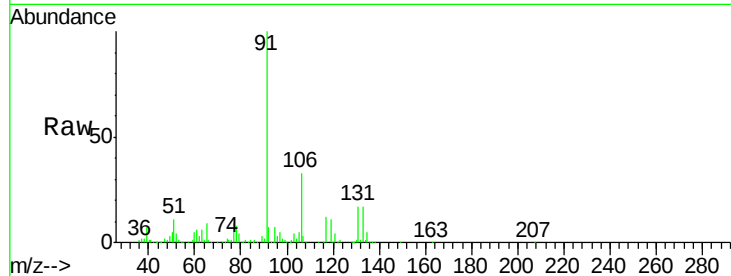
#67
Ethyl Benzene
Concen: 20.593 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.1	25.0	37.6

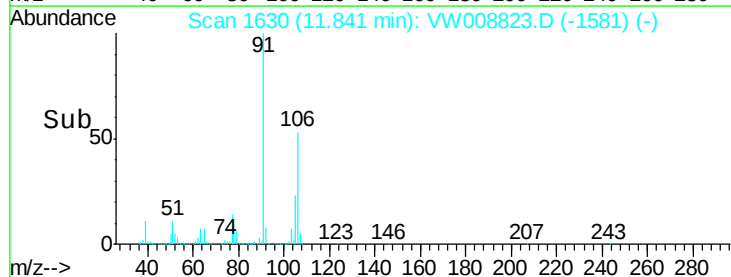
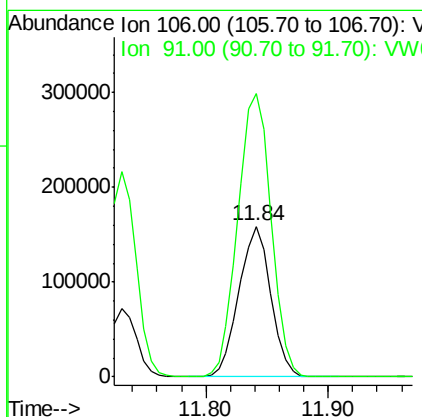
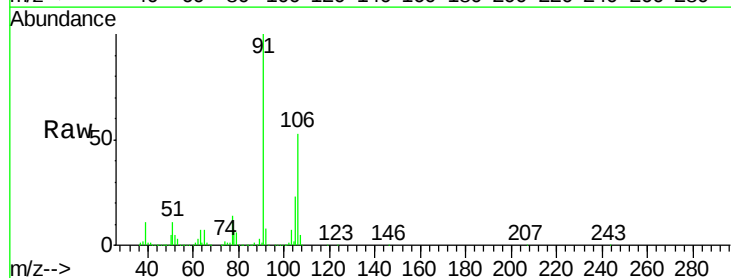
Manual Integrations
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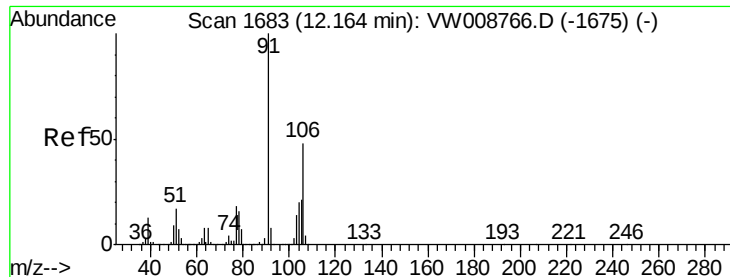
MMDadoda
2/27/2019 5:20:39 PM



#68
m/p-Xylenes
Concen: 42.406 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.0	161.5	242.3





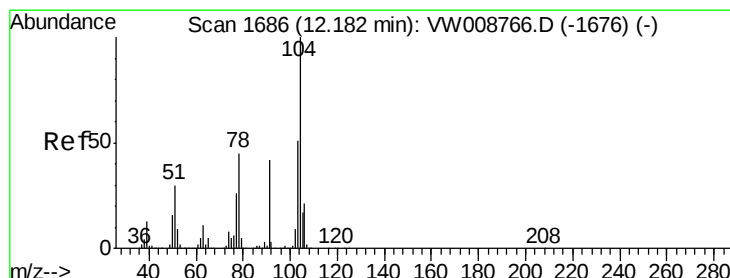
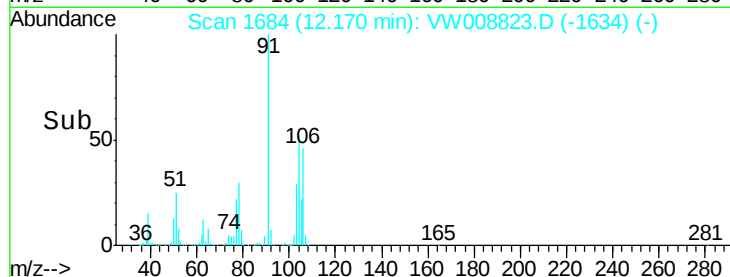
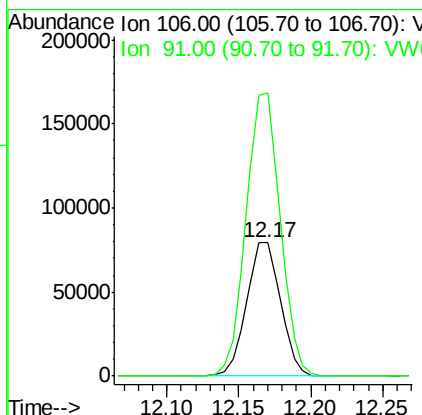
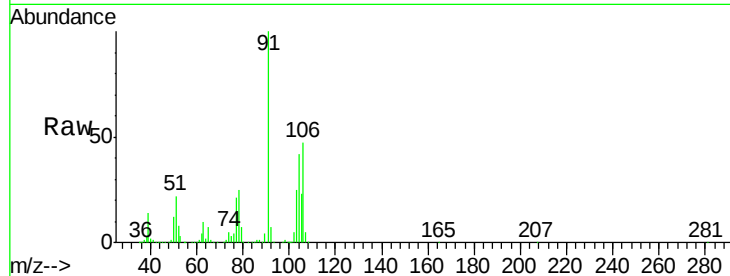
#69
o-Xylene
Concen: 20.419 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		129664		
91	213.1	106.2	318.6		

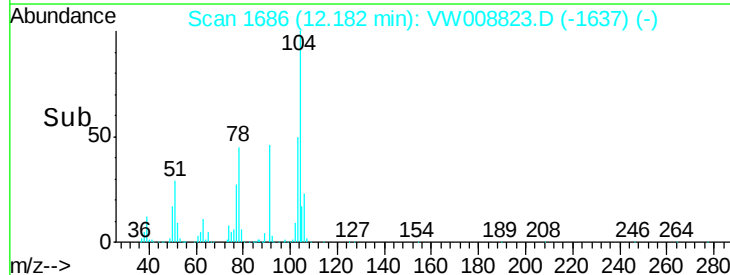
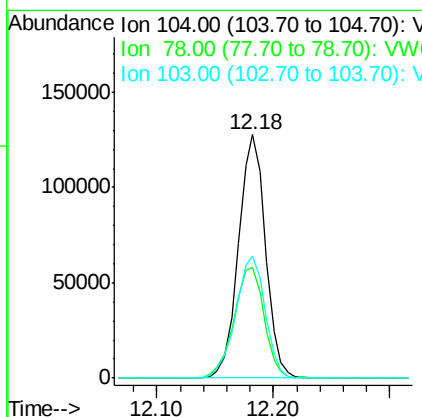
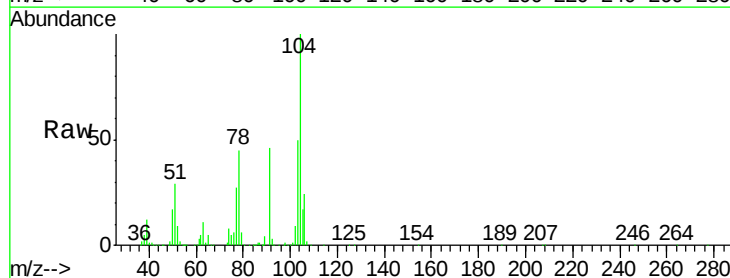
Manual Integrations
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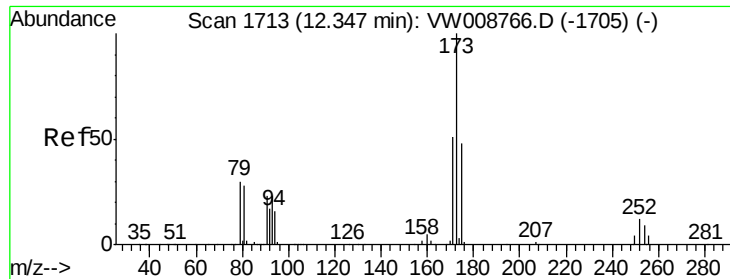
MMDadoda
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#70
Styrene
Concen: 20.201 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		206380		
78	51.1	40.8	61.2		
103	54.7	44.2	66.2		





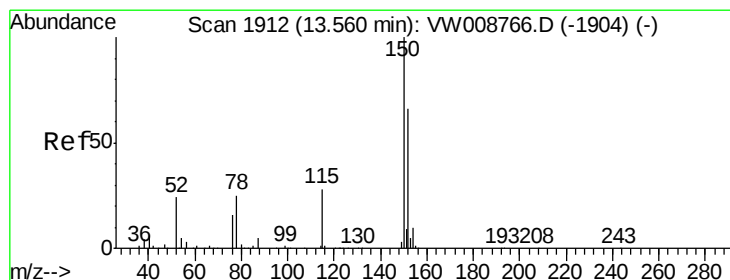
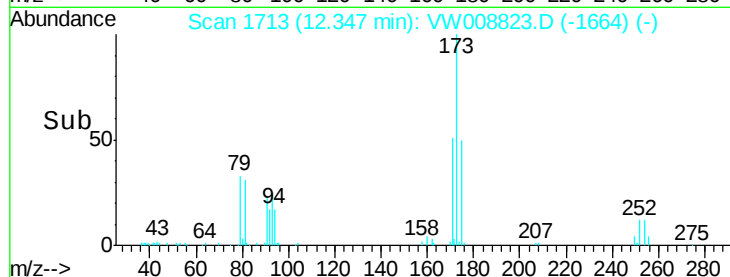
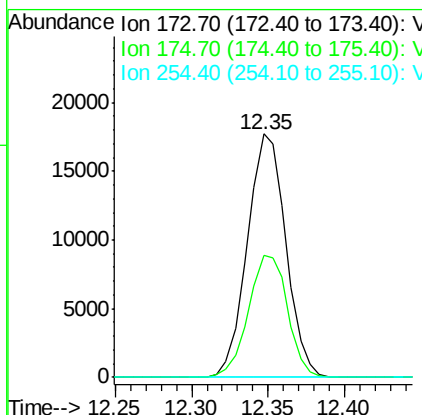
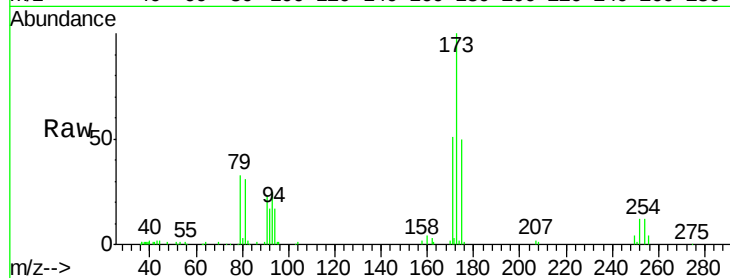
#71
Bromoform
Concen: 18.011 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.2	72.6
254	0.0	0.2	0.4

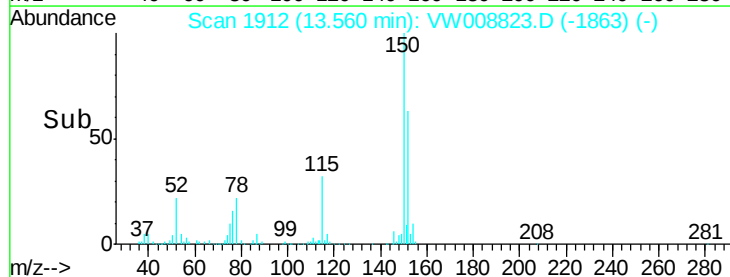
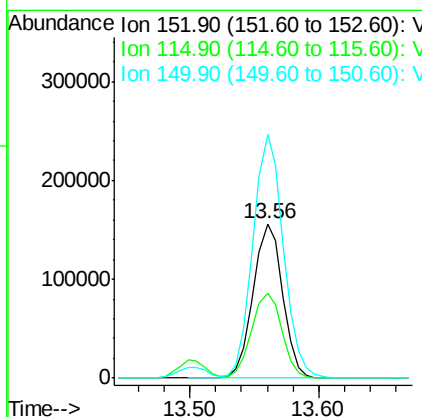
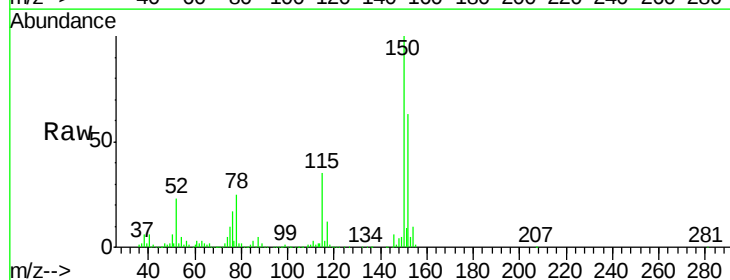
Manual Integrations
APPROVED

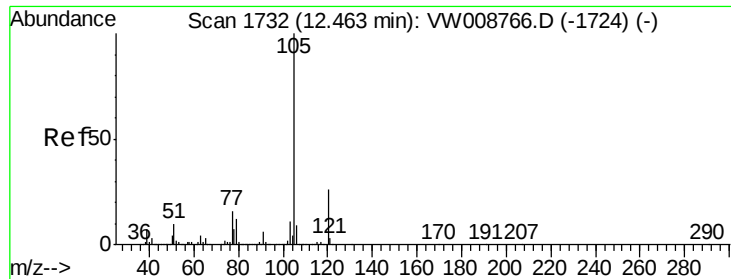
MMDadoda
2/27/2019 5:20:39 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.6	85.8
150	163.7	0.0	348.0





#73

Isopropylbenzene

Concen: 21.502 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

VW0226SBS01

Tot Ion: 105 Resp: 361478

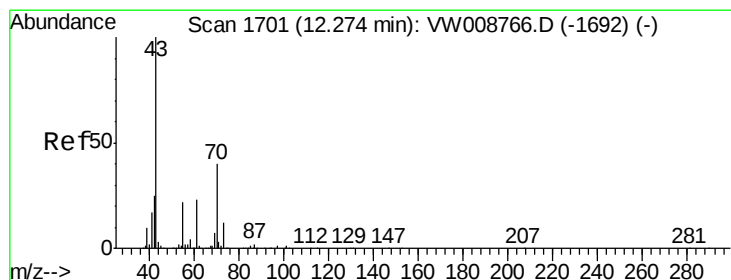
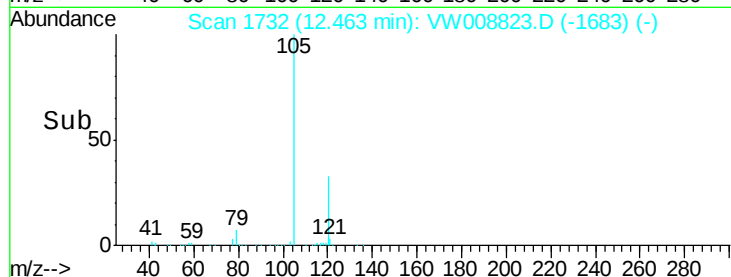
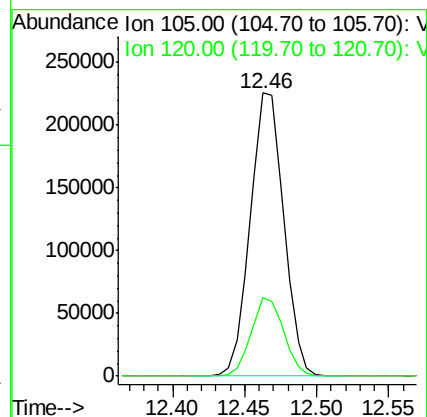
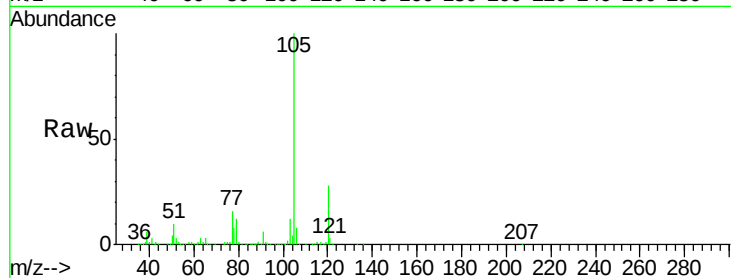
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9

Manual Integrations
APPROVED

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2/27/2019 5:20:39 PM



#74

N-ethyl acetate

Concen: 16.003 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion: 43 Resp: 67768

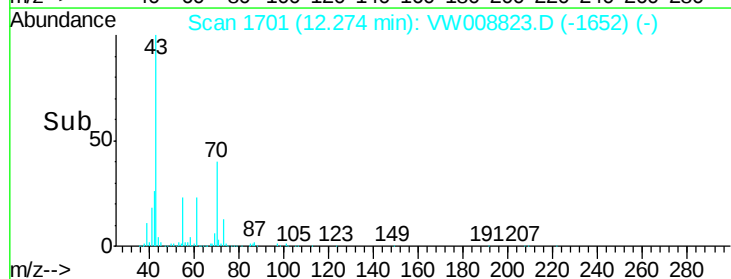
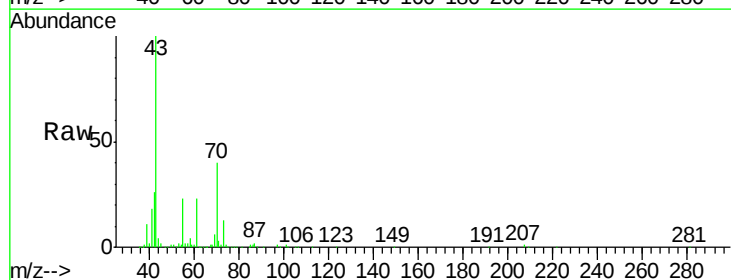
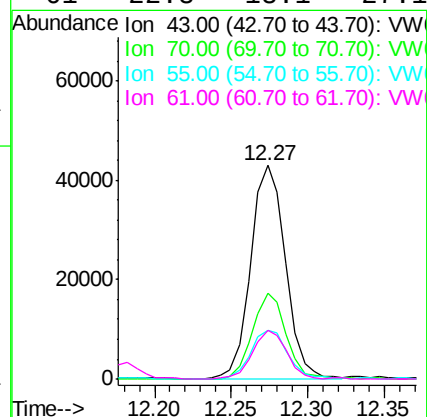
Ion Ratio Lower Upper

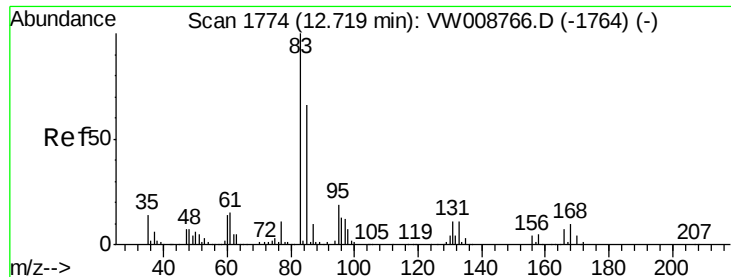
43 100

70 39.5 31.0 46.6

55 24.7 18.7 28.1

61 22.8 18.1 27.1





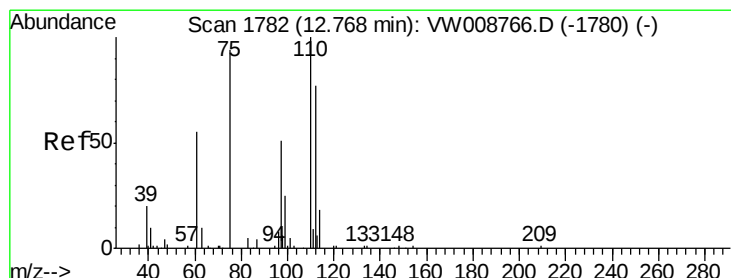
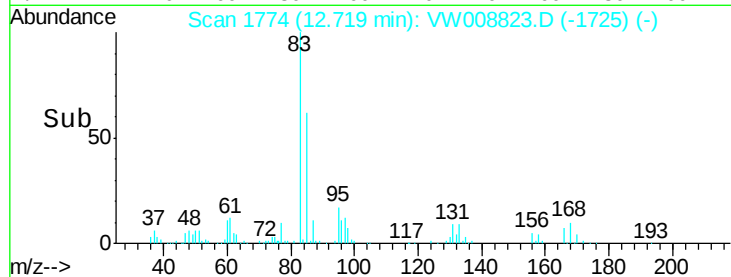
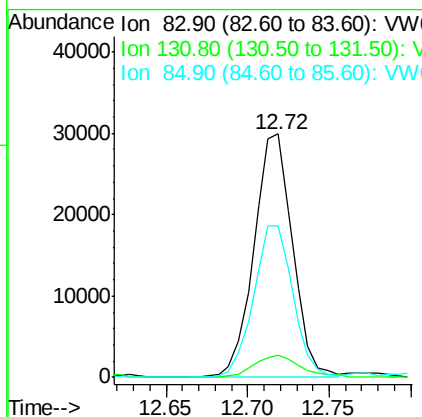
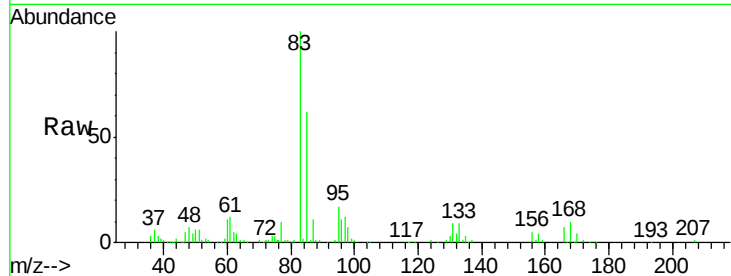
#75
 1,1,2,2-Tetrachloroethane
 Concen: 17.963 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	83	Resp	49342
Ion Ratio	100	Lower	Upper
83	100		
131	10.8	5.5	16.7
85	63.5	33.0	98.9

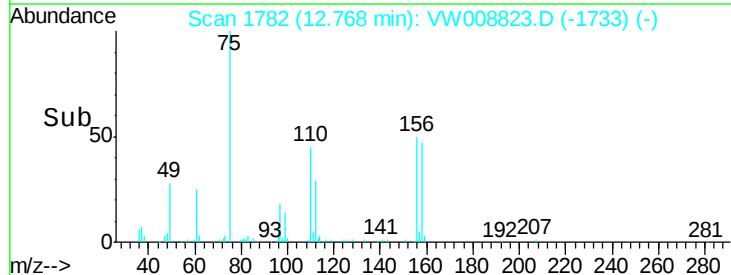
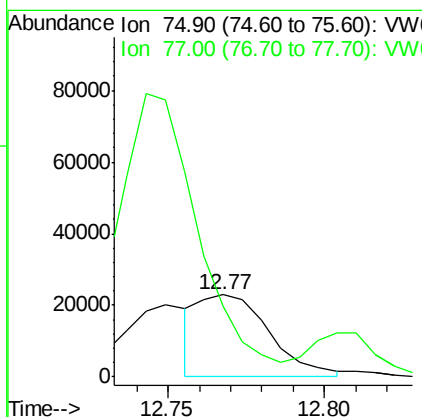
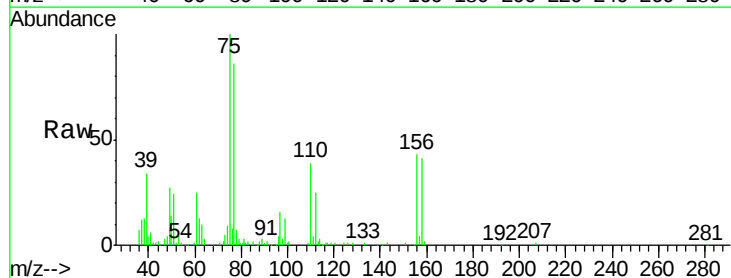
Manual Integrations
 APPROVED

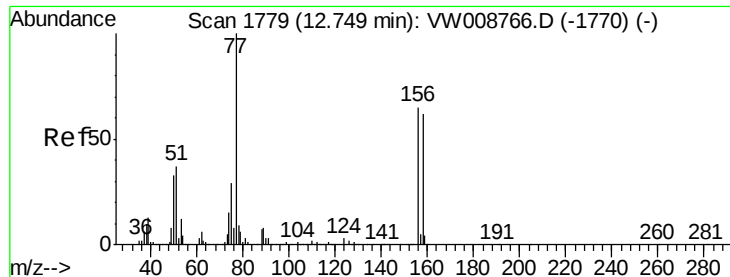
MMDadoda
 2/27/2019 5:20:39 PM



#76
 1,2,3-Trichloropropane
 Concen: 17.739 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Tgt Ion	75	Resp	35915
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





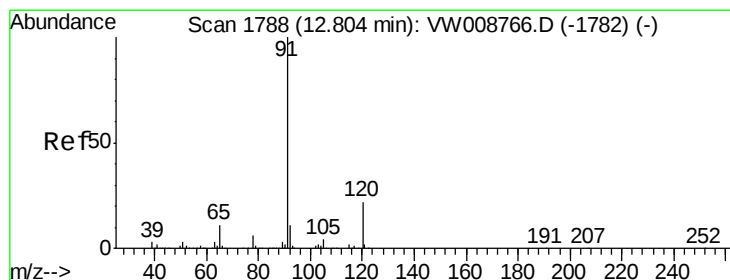
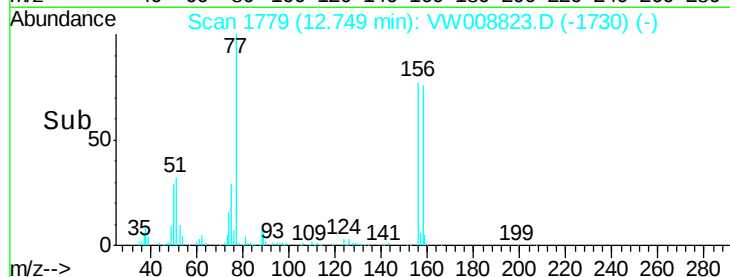
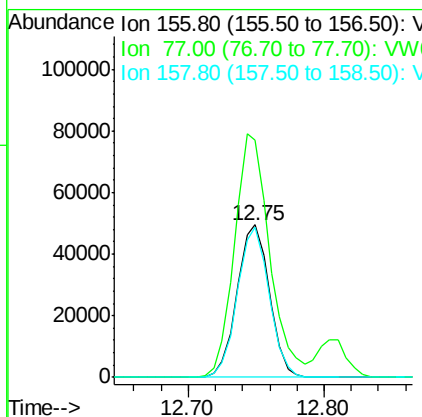
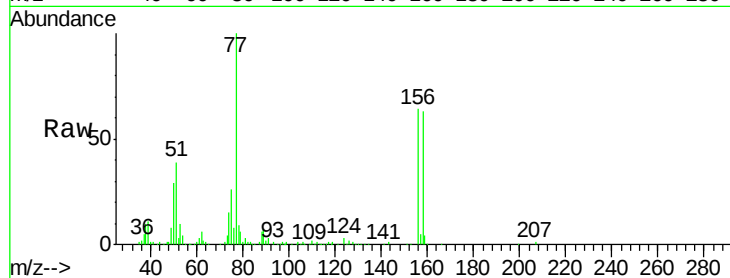
#77
Bromobenzene
Concen: 20.709 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.5	89.1	267.4
158	96.6	49.2	147.6

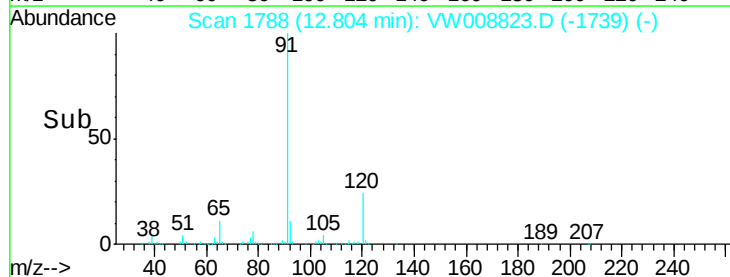
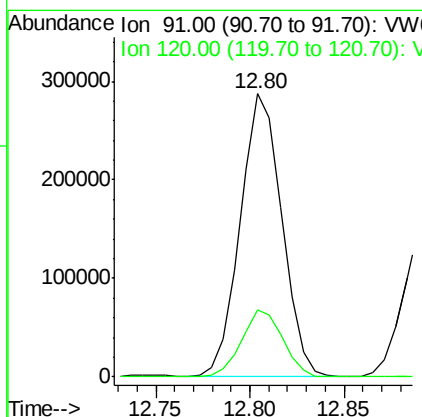
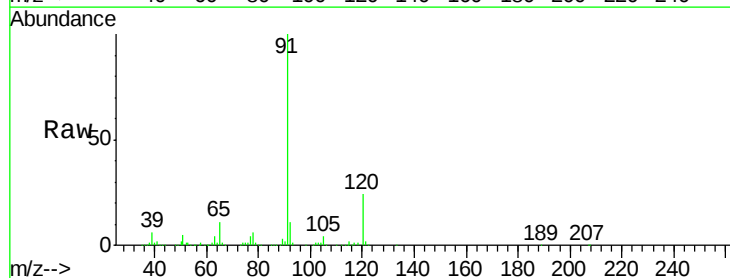
Manual Integrations
APPROVED

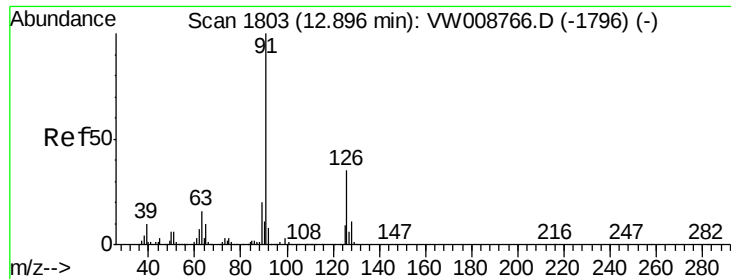
MMDadoda
2/27/2019 5:20:39 PM



#78
n-propylbenzene
Concen: 21.323 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.959 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 91 Resp: 244702

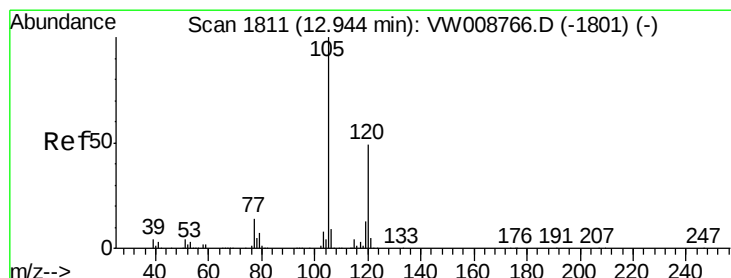
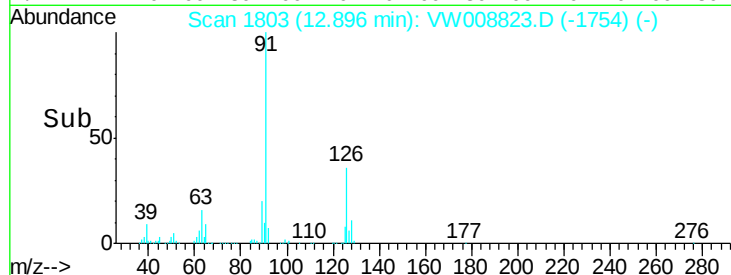
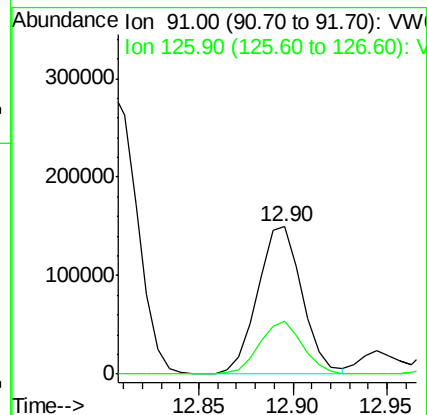
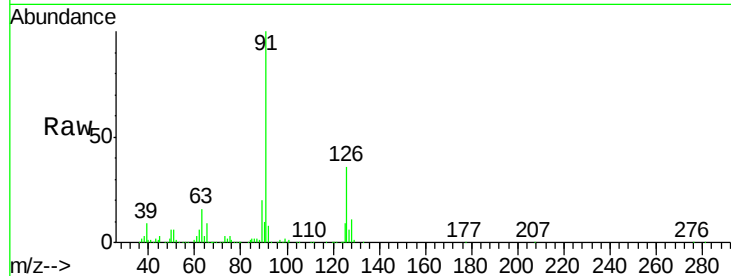
Ion Ratio Lower Upper

91 100

126 34.7 17.0 51.0

Manual Integrations
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2/27/2019 5:20:39 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.228 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008823.D

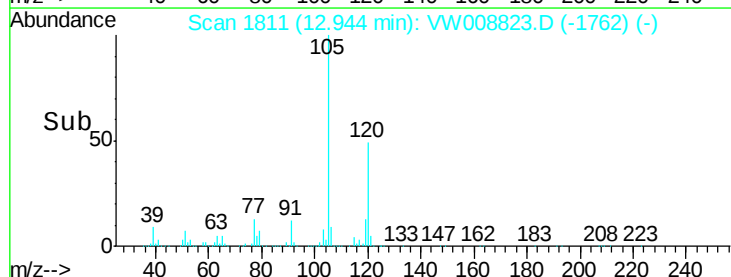
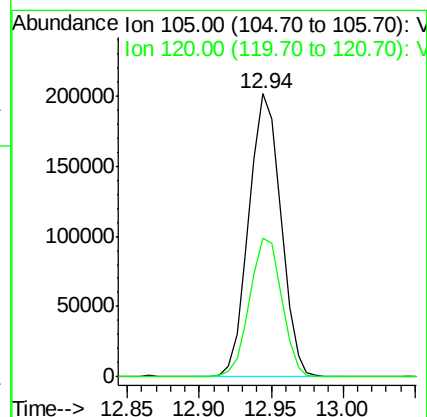
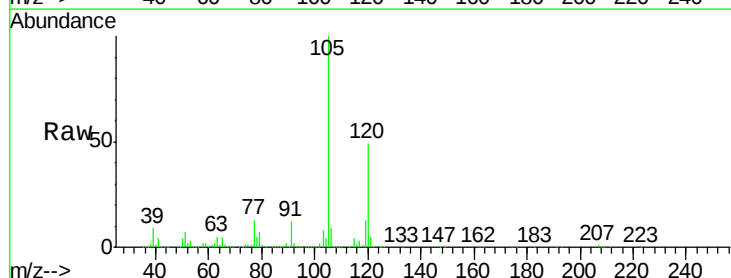
Acq: 26 Feb 2019 11:56

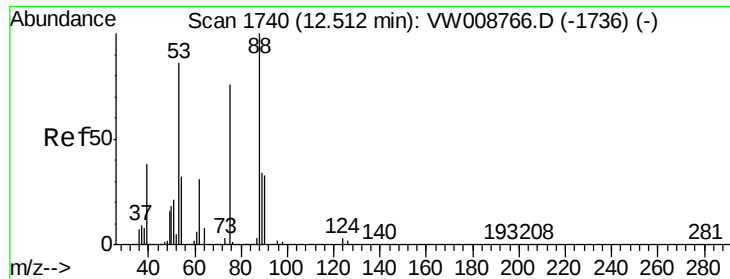
Tgt Ion: 105 Resp: 310125

Ion Ratio Lower Upper

105 100

120 49.2 24.8 74.4





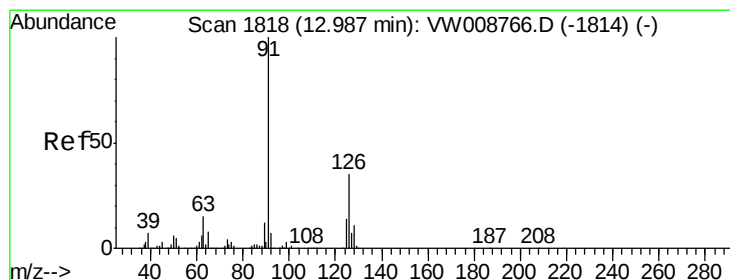
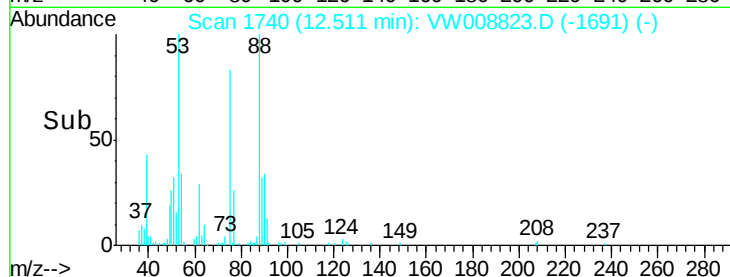
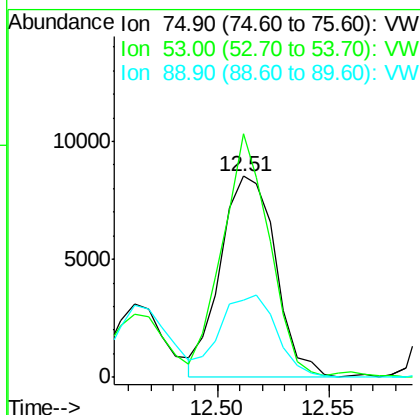
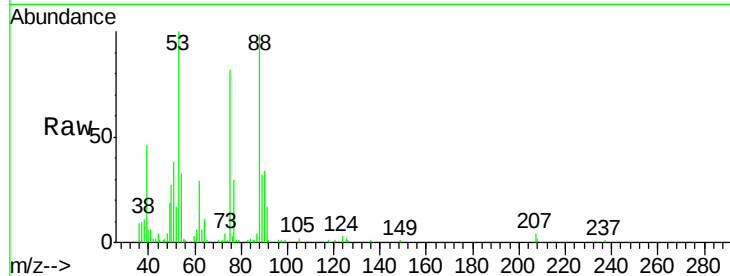
#81
trans-1,4-Dichloro-2-butene
Concen: 17.622 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.5	88.2	132.2
89	42.4	39.5	59.3

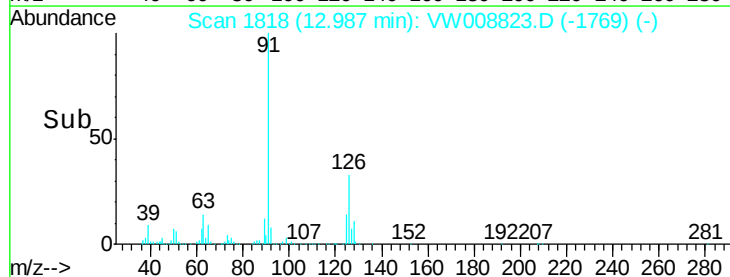
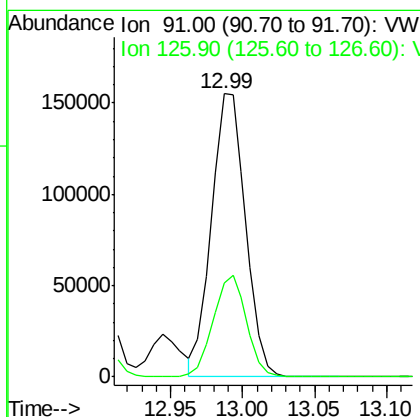
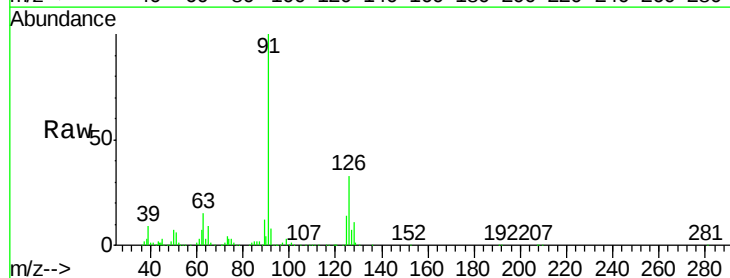
Manual Integrations
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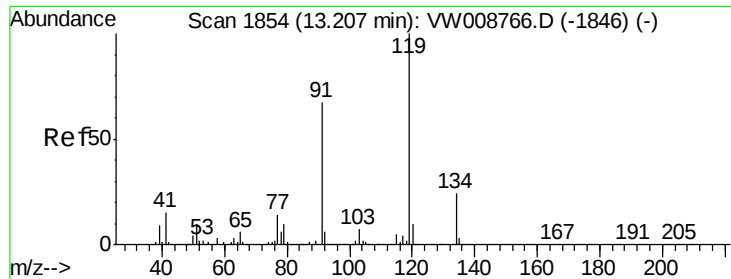
MMDadoda
2/27/2019 5:20:39 PM



#82
4-Chlorotoluene
Concen: 20.812 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.2	51.6





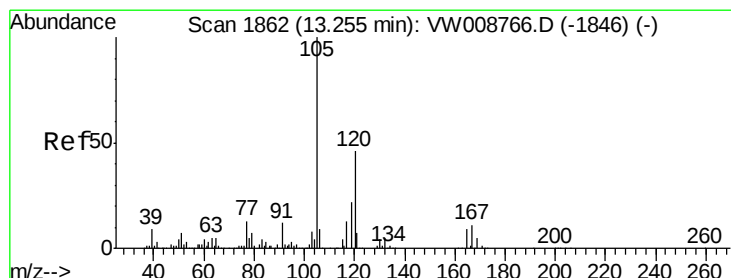
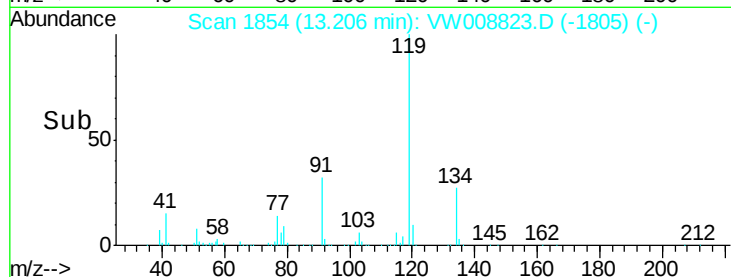
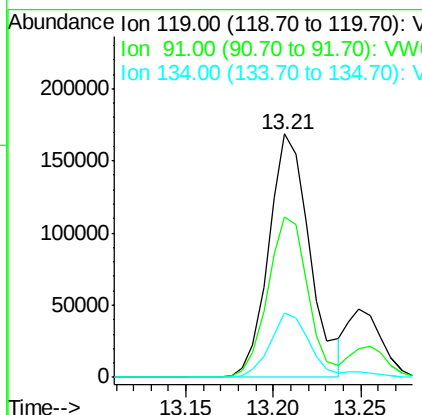
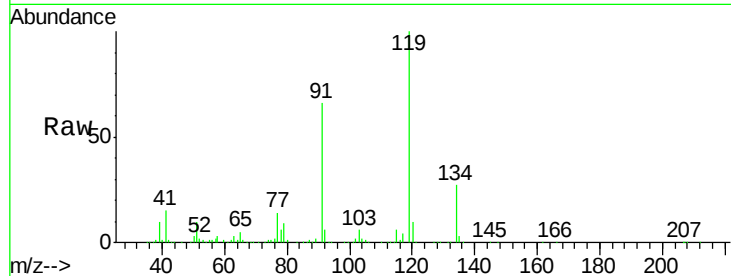
#83
tert-Butylbenzene
Concen: 21.796 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	275333		
91	64.6		33.6	100.8
134	27.0		13.7	41.1

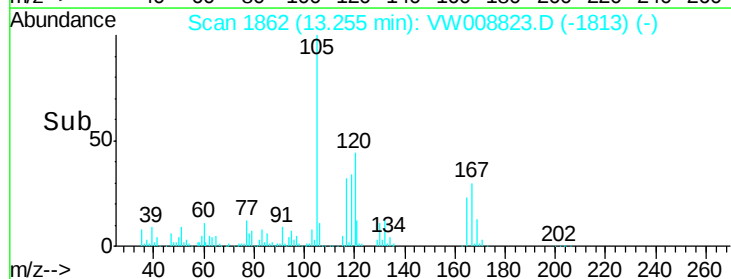
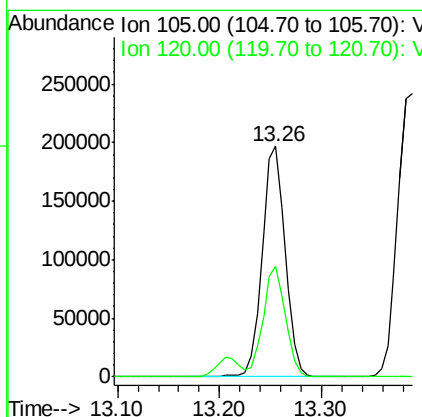
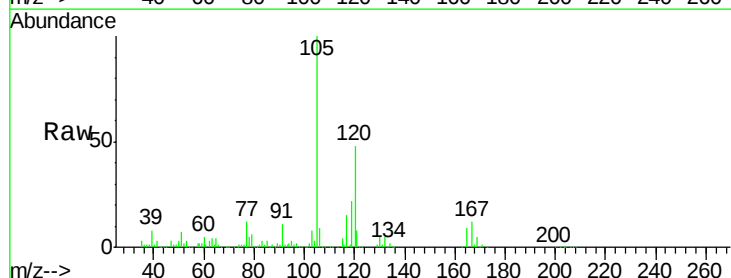
Manual Integrations
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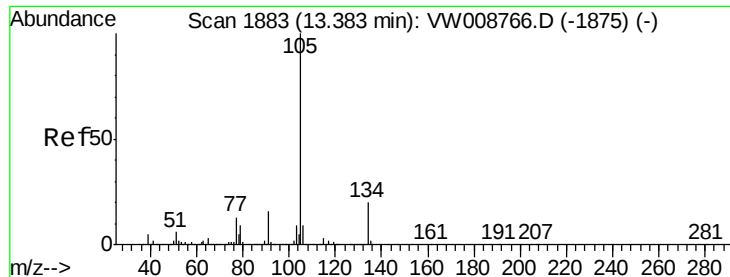
MMDadoda
2/27/2019 5:20:39 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.460 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	309417		
120	46.5		22.8	68.4





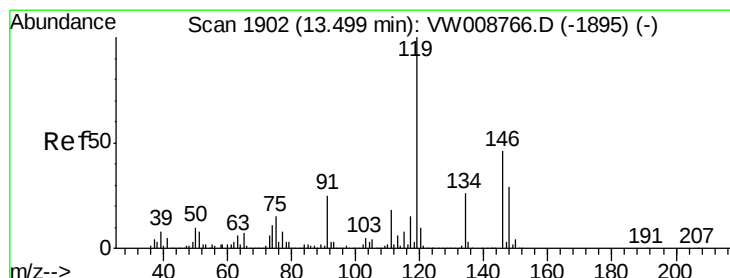
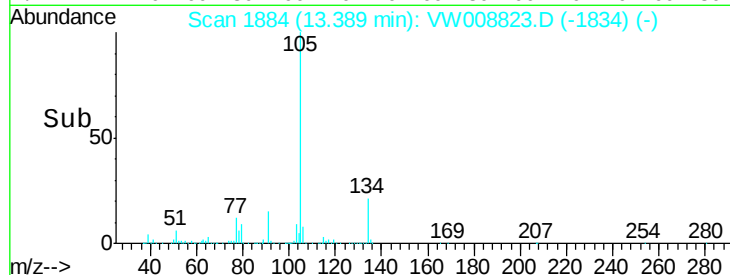
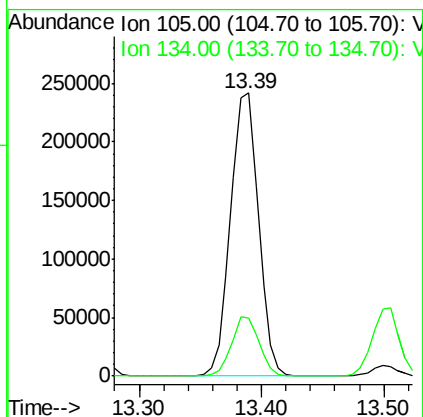
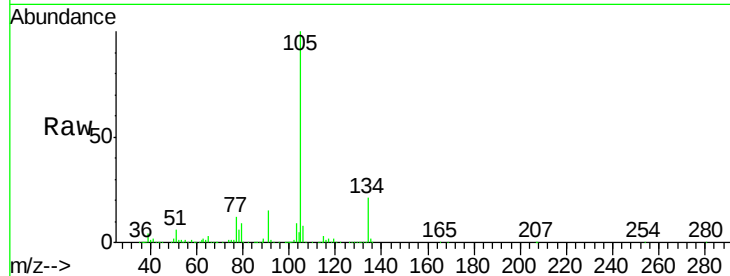
#85
 sec-Butylbenzene
 Concen: 21.033 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.1

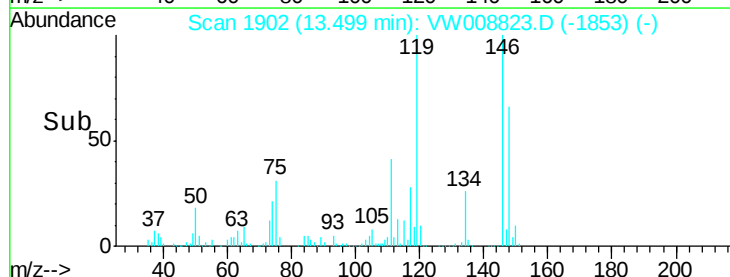
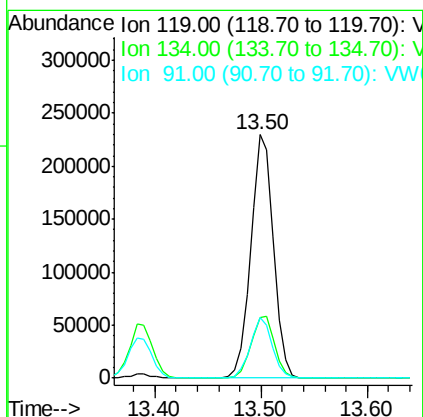
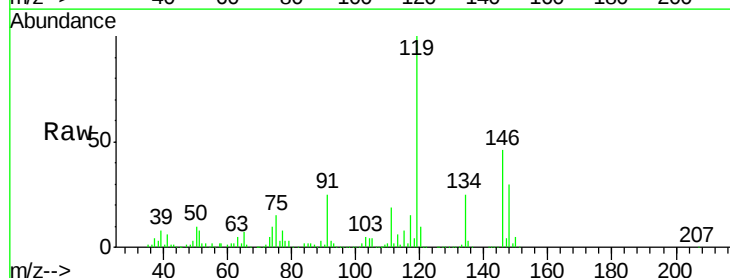
Manual Integrations
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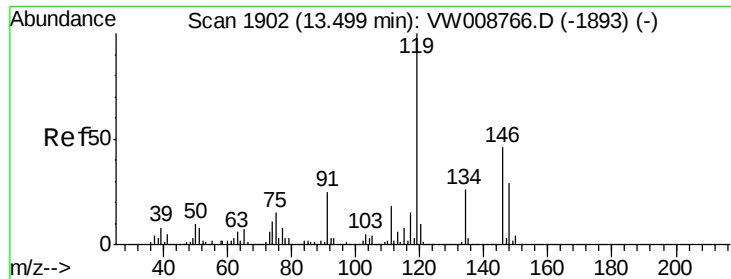
MMDadoda
 2/27/2019 5:20:39 PM



#86
 p-Isopropyltoluene
 Concen: 20.533 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	24.3	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 20.498 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

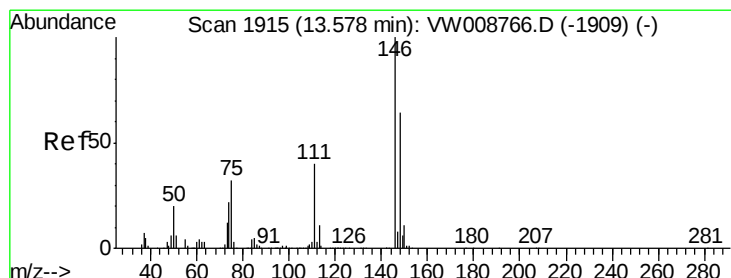
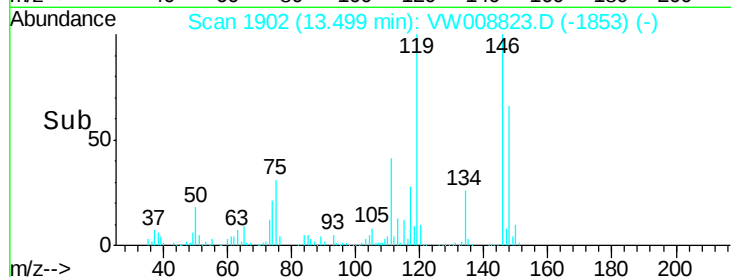
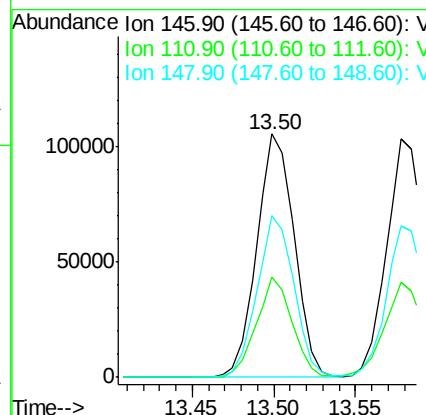
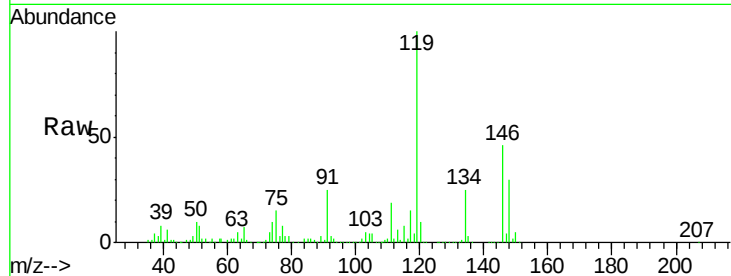
ClientSampled :

VW0226SBS01

Tot Ion:	146	Resp:	168951
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.9	59.7
148	65.3	31.6	94.8

Manual Integrations
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2/27/2019 5:20:39 PM



#88

1,4-Dichlorobenzene

Concen: 20.548 ug/l

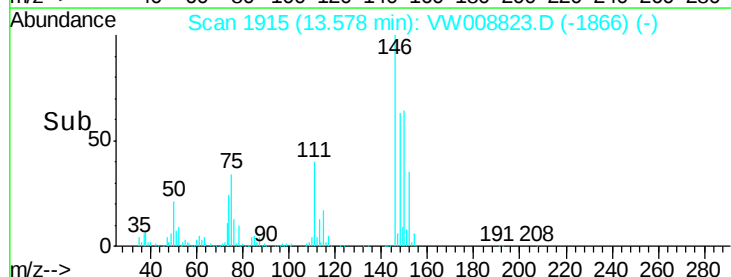
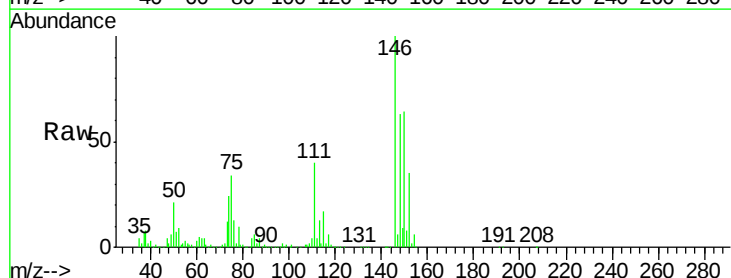
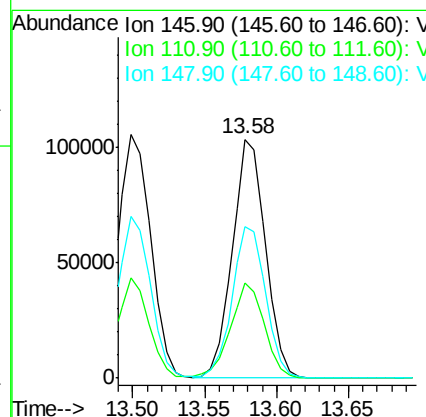
RT: 13.58 min Scan# 1915

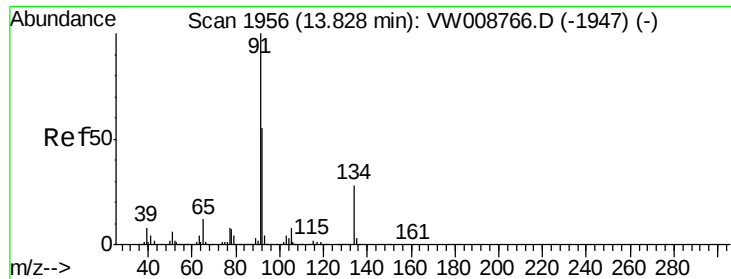
Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion:	146	Resp:	166925
Ion Ratio	Lower	Upper	
146	100		
111	40.7	19.3	57.9
148	64.1	31.9	95.9





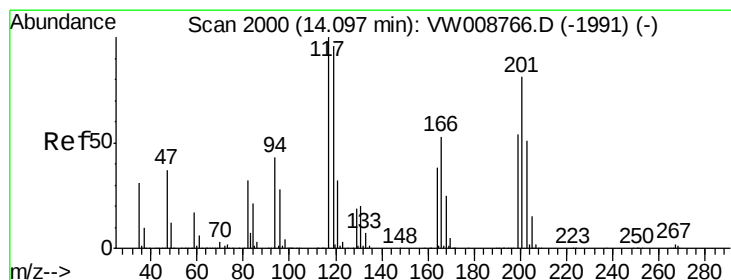
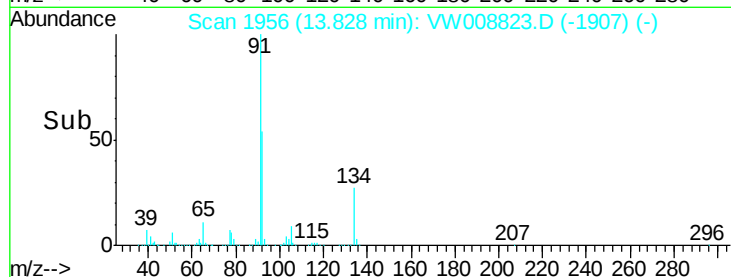
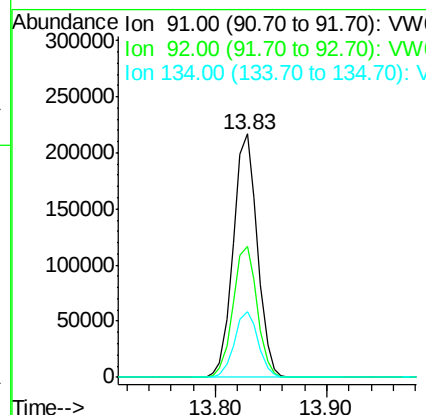
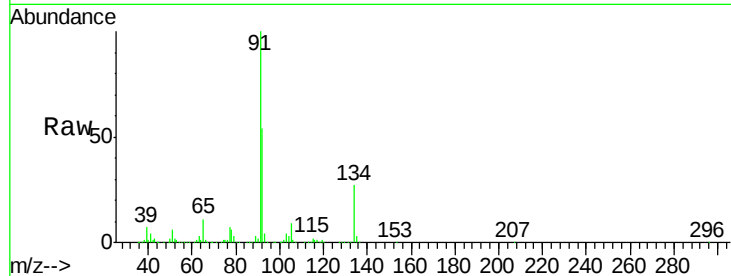
#89
n-Butylbenzene
Concen: 20.749 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.8	80.4
134	26.8	13.5	40.4

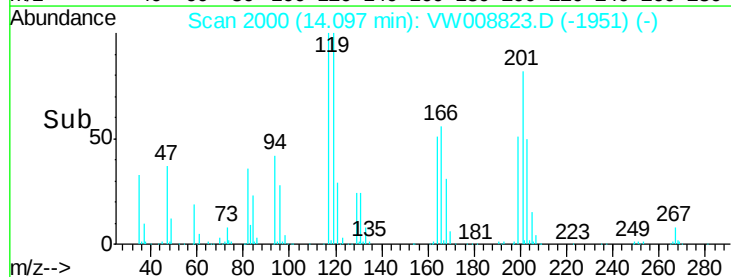
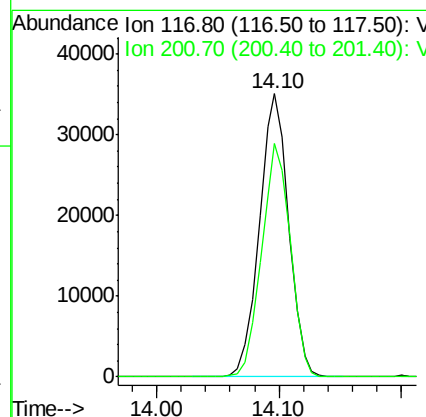
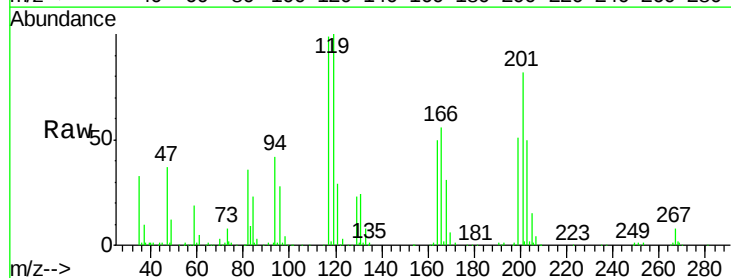
Manual Integrations
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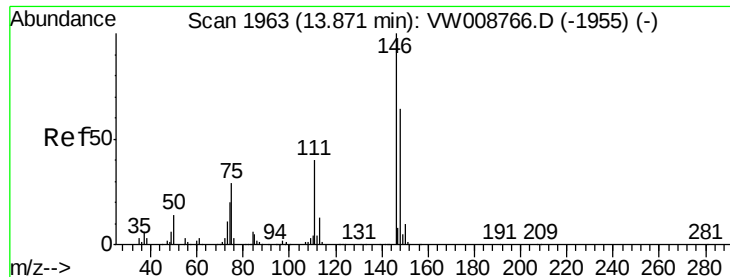
MMDadoda
2/27/2019 5:20:39 PM



#90
Hexachloroethane
Concen: 21.453 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008823.D
Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	40.3	120.8





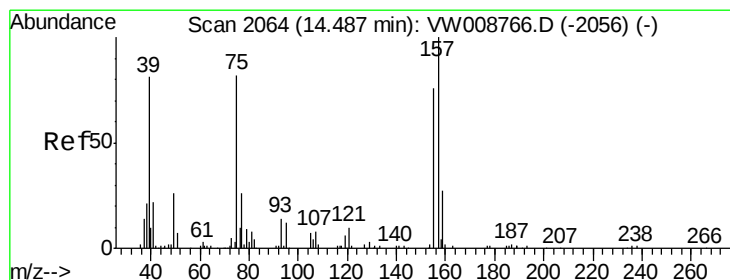
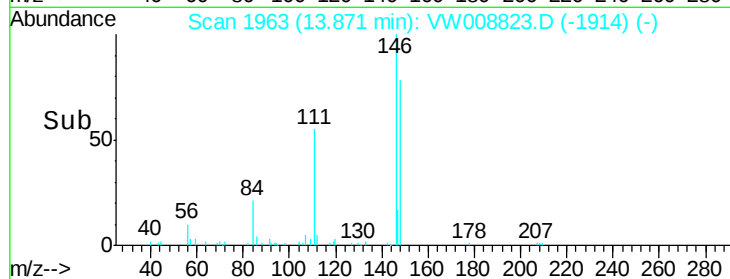
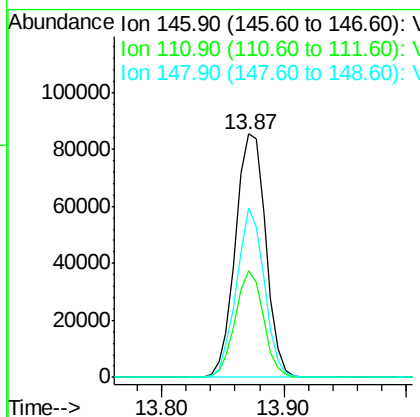
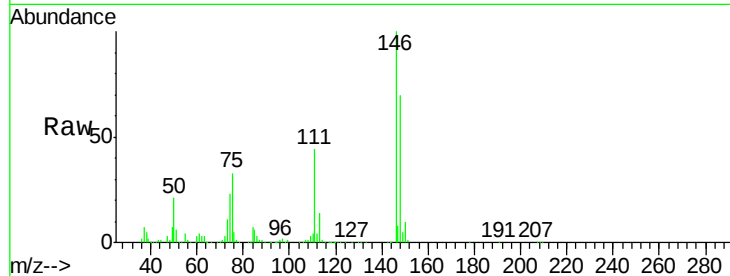
#91
 1,2-Dichlorobenzene
 Concen: 19.902 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	146164		
111	40.6	20.3	60.8	
148	63.4	32.5	97.5	

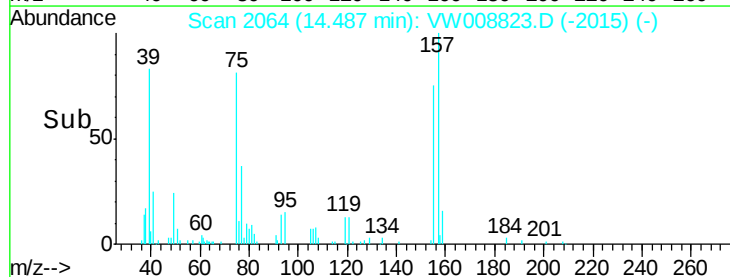
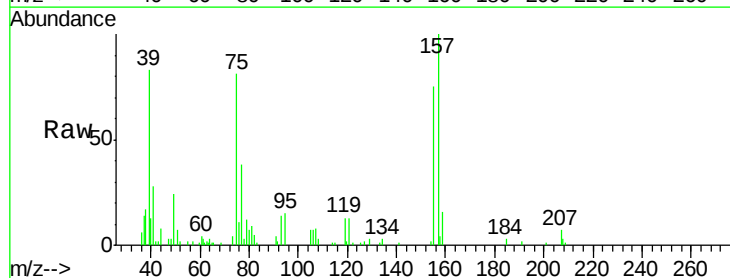
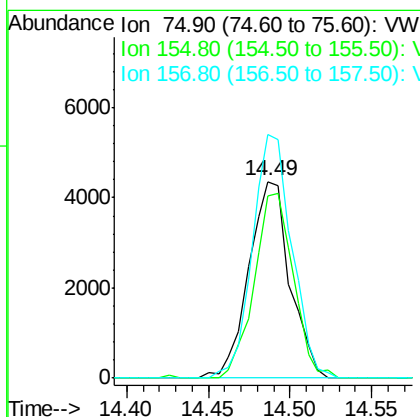
Manual Integrations
 APPROVED

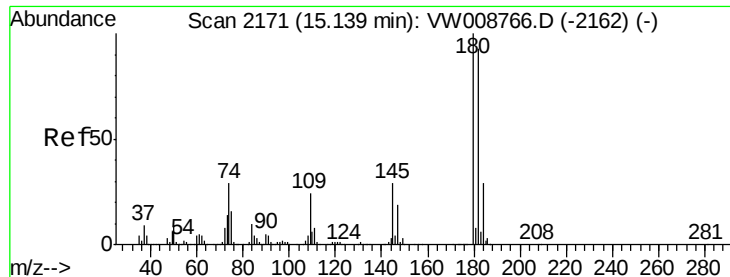
MMDadoda
 2/27/2019 5:20:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.333 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7619		
155	89.3	41.8	125.4	
157	118.6	56.6	169.9	





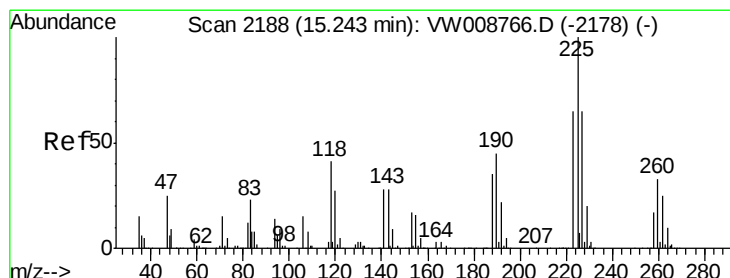
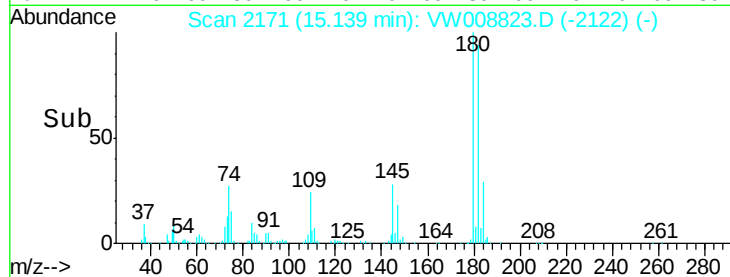
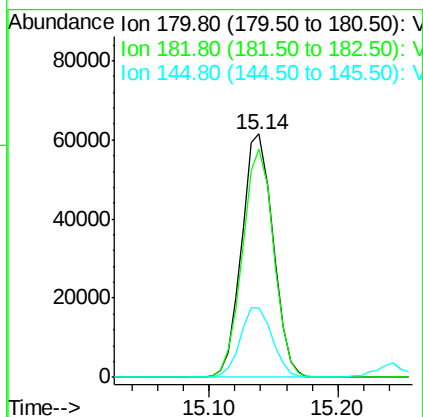
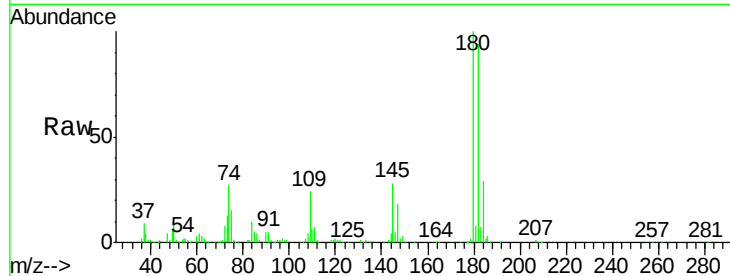
#93
 1,2,4-Trichlorobenzene
 Concen: 19.549 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103446		
182	93.3	47.2	141.6	
145	29.6	14.4	43.0	

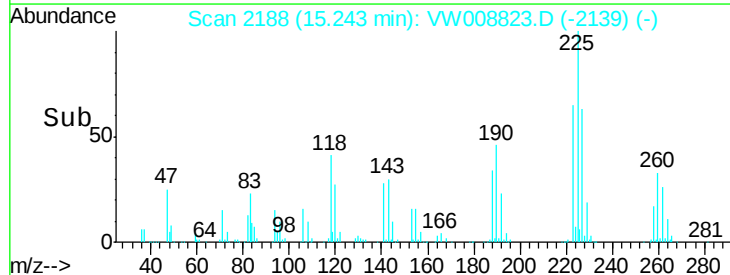
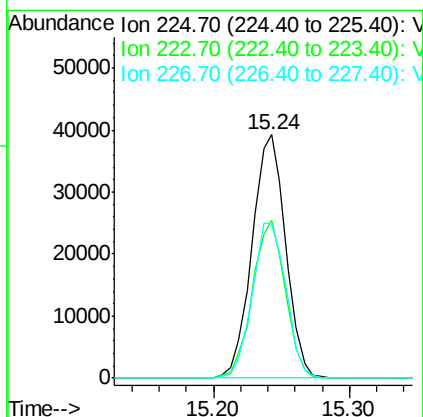
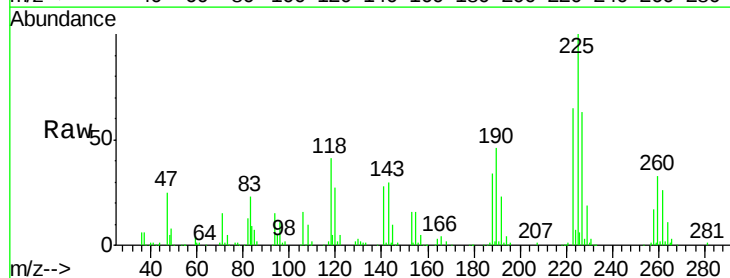
Manual Integrations
 APPROVED

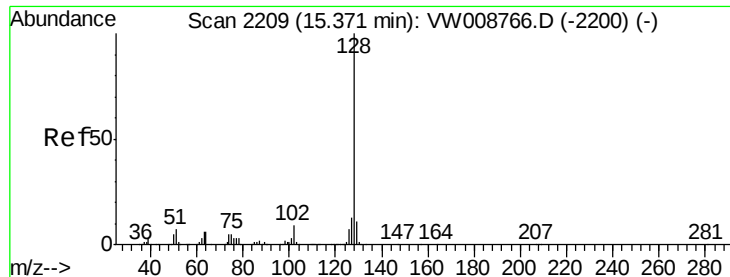
MMDadoda
 2/27/2019 5:20:39 PM



#94
 Hexachlorobutadiene
 Concen: 21.817 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008823.D
 Acq: 26 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68001		
223	63.3	31.5	94.5	
227	64.0	31.6	94.8	





#95

Naphthalene

Concen: 16.231 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Instrument :

MSVOA_W

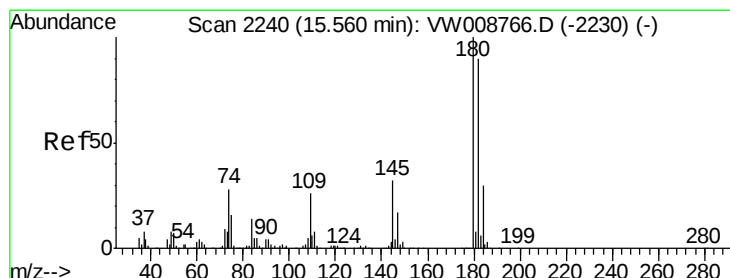
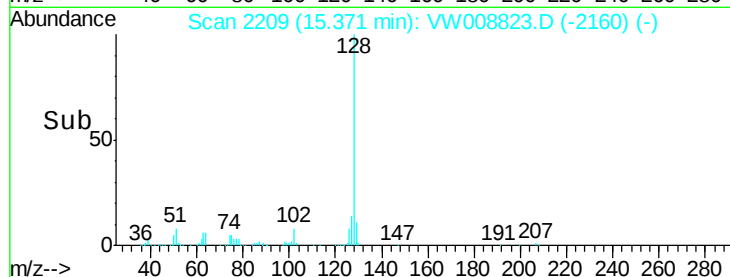
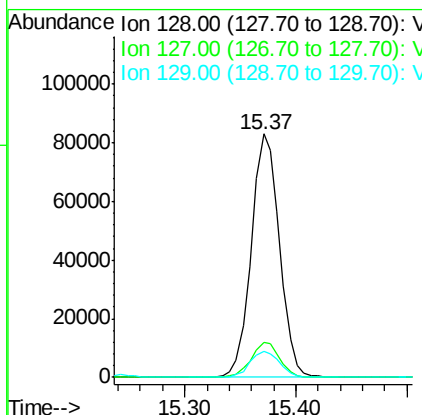
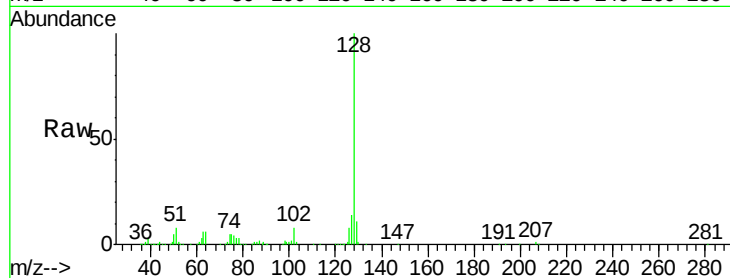
ClientSampleId :

VW0226SBS01

Tot Ion:	128	Resp:	146229
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.8	16.2
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/27/2019 5:20:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.621 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW008823.D

Acq: 26 Feb 2019 11:56

Tgt Ion:	180	Resp:	85195
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.9	140.8
145	31.6	15.9	47.6

