

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008824.D
 Acq On : 26 Feb 2019 12:21
 Operator : SY/VA
 Sample : VW0226SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 5:20:45 PM

Quant Time: Feb 27 06:11:39 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	315987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	453605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	437081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	163442	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
35) Dibromofluoromethane	7.88	113	150064	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	10.32	98	562588	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
62) 4-Bromofluorobenzene	12.62	95	219937	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	63244	19.983	ug/l	95
3) Chloromethane	2.21	50	78631	20.410	ug/l	99
4) Vinyl Chloride	2.35	62	80588	19.757	ug/l	98
5) Bromomethane	2.76	94	64156	21.176	ug/l	96
6) Chloroethane	2.91	64	55641	19.210	ug/l	96
7) Trichlorofluoromethane	3.26	101	111603	21.634	ug/l	98
8) Diethyl Ether	3.68	74	34607	21.189	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	66667	21.281	ug/l	96
10) Methyl Iodide	4.27	142	74865	19.111	ug/l	99
11) Tert butyl alcohol	5.20	59	27203	103.102	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	57491	20.780	ug/l	95
13) Acrolein	3.90	56	24487	100.806	ug/l	99
14) Allyl chloride	4.67	41	100637	21.076	ug/l	99
15) Acrylonitrile	5.37	53	75027	107.039	ug/l	98
16) Acetone	4.13	43	72619	105.711	ug/l	99
17) Carbon Disulfide	4.38	76	183046	19.941	ug/l	98
18) Methyl Acetate	4.67	43	34069	20.909	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	167121	22.317	ug/l	97
20) Methylene Chloride	4.92	84	74634	18.874	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	67710	21.157	ug/l	93
22) Diisopropyl ether	6.31	45	206482	21.677	ug/l	98
23) Vinyl Acetate	6.26	43	658541	111.896	ug/l	98
24) 1,1-Dichloroethane	6.21	63	118951	21.550	ug/l	99
25) 2-Butanone	7.17	43	104173	108.467	ug/l	100
26) 2,2-Dichloropropane	7.17	77	109380	21.827	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	74953	21.895	ug/l	96
28) Bromochloromethane	7.51	49	48203	20.869	ug/l	98
29) Tetrahydrofuran	7.52	42	66722	109.016	ug/l	99
30) Chloroform	7.68	83	122555	21.643	ug/l	98
31) Cyclohexane	7.95	56	117366	21.006	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	111027	21.561	ug/l	98
36) 1,1-Dichloropropene	8.09	75	99649	22.568	ug/l	99
37) Ethyl Acetate	7.26	43	45652	22.233	ug/l	98
38) Carbon Tetrachloride	8.07	117	103462	22.218	ug/l	99

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 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	115156	20.908	ug/l	97
40) Benzene	8.32	78	260792	21.632	ug/l	95
41) Methacrylonitrile	7.48	41	24356	20.180	ug/l	98
42) 1,2-Dichloroethane	8.40	62	84548	22.139	ug/l	98
43) Isopropyl Acetate	8.43	43	90192	22.008	ug/l	99
44) Trichloroethene	9.09	130	75253	22.158	ug/l	95
45) 1,2-Dichloropropane	9.37	63	65773	22.078	ug/l	100
46) Dibromomethane	9.46	93	36134	21.805	ug/l	99
47) Bromodichloromethane	9.65	83	90410	22.424	ug/l	97
48) Methyl methacrylate	9.44	41	42054	21.426	ug/l	98
49) 1,4-Dioxane	9.46	88	10164	383.007	ug/l	90
51) 4-Methyl-2-Pentanone	10.21	43	220303	105.885	ug/l	98
52) Toluene	10.39	92	172037	21.026	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	89159	21.696	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	104516	22.299	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	50849	22.626	ug/l	96
56) Ethyl methacrylate	10.65	69	59868	20.504	ug/l	97
57) 1,3-Dichloropropane	10.93	76	88699	22.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	179314	122.109	ug/l	99
59) 2-Hexanone	10.97	43	159924	107.981	ug/l	100
60) Dibromochloromethane	11.13	129	61758	22.530	ug/l	100
61) 1,2-Dibromoethane	11.23	107	49917	22.440	ug/l	100
64) Tetrachloroethene	10.87	164	63755	20.378	ug/l	98
65) Chlorobenzene	11.66	112	193466	21.051	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	66857	21.514	ug/l	97
67) Ethyl Benzene	11.73	91	344307	20.957	ug/l	99
68) m/p-Xylenes	11.84	106	273679	41.691	ug/l	99
69) o-Xylene	12.16	106	128805	20.905	ug/l	99
70) Styrene	12.18	104	204153	20.595	ug/l	99
71) Bromoform	12.35	173	37474	22.434	ug/l #	99
73) Isopropylbenzene	12.47	105	346148	20.953	ug/l	99
74) N-amyl acetate	12.27	43	84165	20.225	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	59172	21.921	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	41389m	20.802	ug/l	
77) Bromobenzene	12.75	156	82645	21.170	ug/l	99
78) n-propylbenzene	12.80	91	424941	21.028	ug/l	99
79) 2-Chlorotoluene	12.90	91	239221	20.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	296856	20.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16618	20.305	ug/l	96
82) 4-Chlorotoluene	12.99	91	252285	20.866	ug/l	100
83) tert-Butylbenzene	13.21	119	254986	20.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	304957	20.520	ug/l	100
85) sec-Butylbenzene	13.38	105	374453	20.978	ug/l	99
86) p-Isopropyltoluene	13.50	119	331440	20.255	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	169549	20.933	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	168246	21.075	ug/l	98
89) n-Butylbenzene	13.83	91	310675	20.266	ug/l	100
90) Hexachloroethane	14.10	117	56681	21.159	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	149552	20.722	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9885	20.244	ug/l	98

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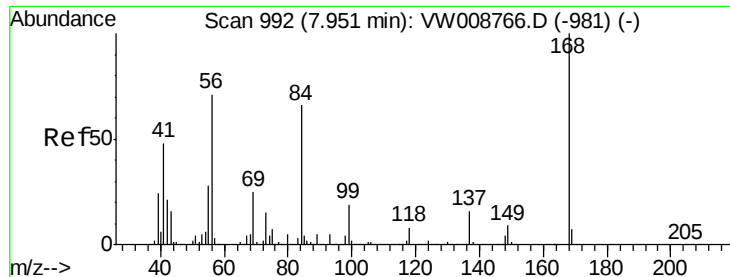
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	105337	20.257	ug/l	98
94) Hexachlorobutadiene	15.24	225	66032	21.558	ug/l	99
95) Naphthalene	15.37	128	181080	20.453	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	92518	20.578	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: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion:168 Resp: 315987

Ion Ratio Lower Upper

168 100

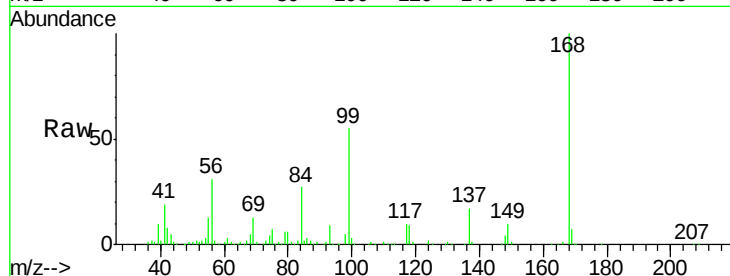
99 54.7 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

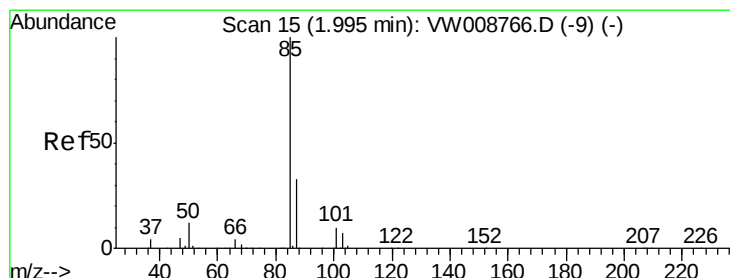
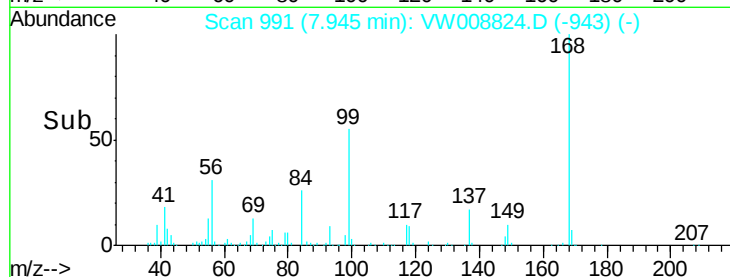
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.983 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008824.D

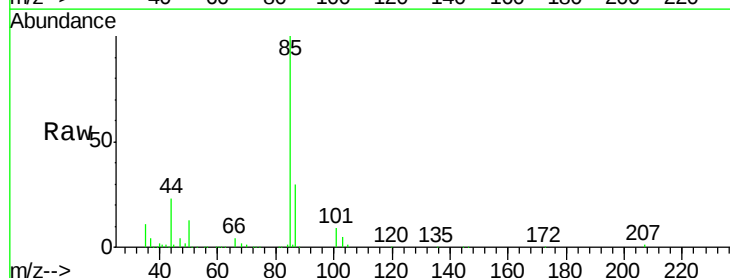
Acq: 26 Feb 2019 12:21

Tgt Ion: 85 Resp: 63244

Ion Ratio Lower Upper

85 100

87 29.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

30000

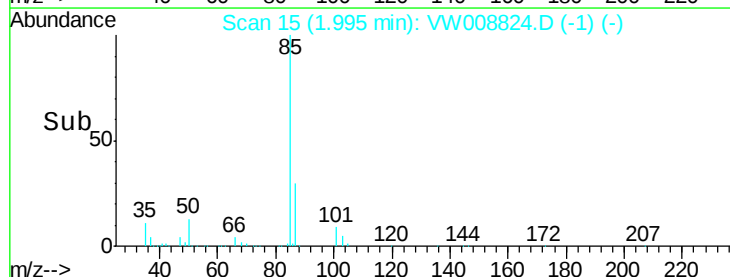
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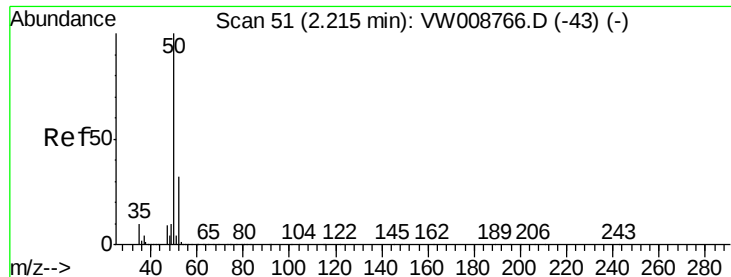
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0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.410 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 50 Resp: 78631

Ion Ratio Lower Upper

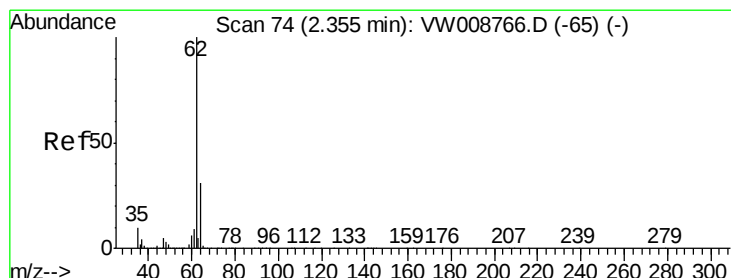
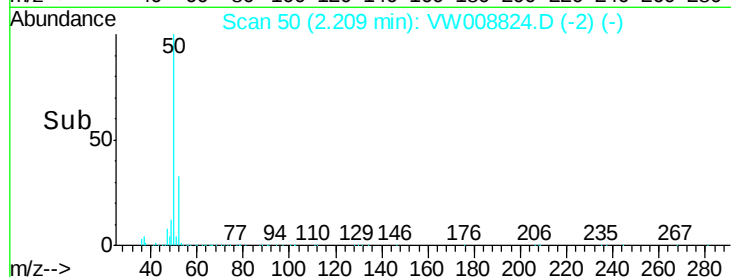
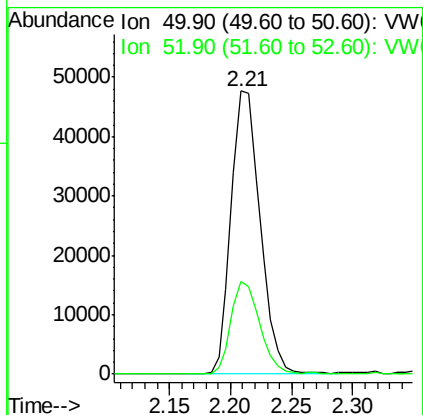
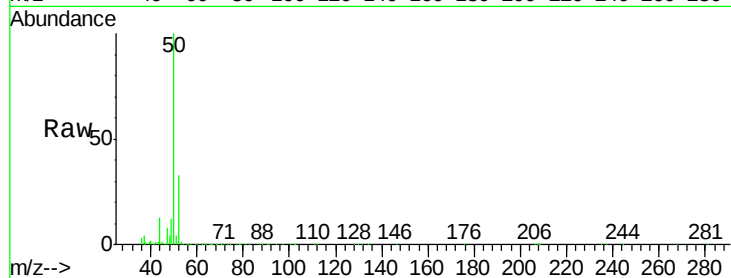
50 100

52 32.9 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.757 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008824.D

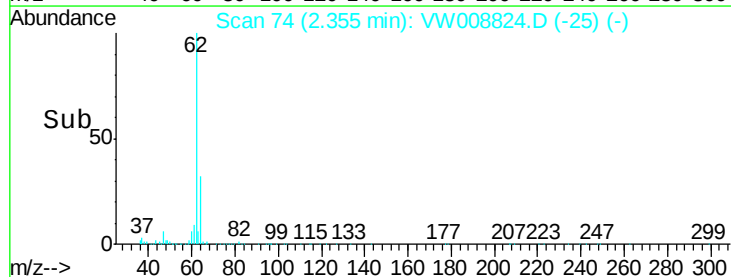
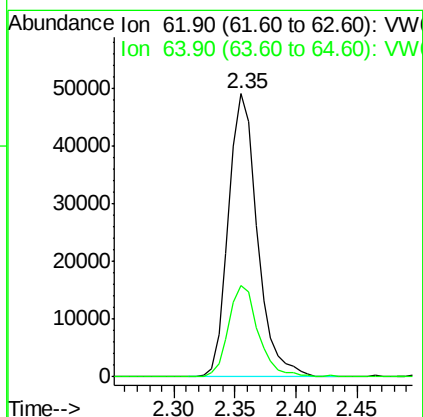
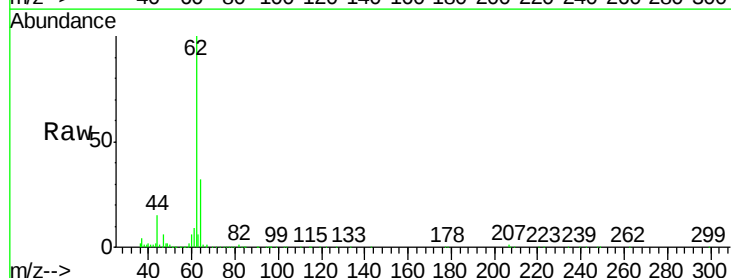
Acq: 26 Feb 2019 12:21

Tgt Ion: 62 Resp: 80588

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3





#5

Bromomethane

Concen: 21.176 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBSD01

Tot Ion: 94 Resp: 64156

Ion Ratio Lower Upper

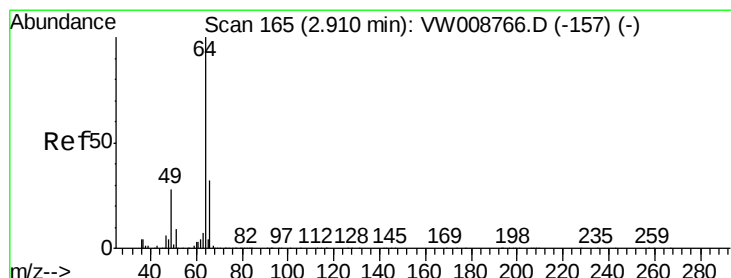
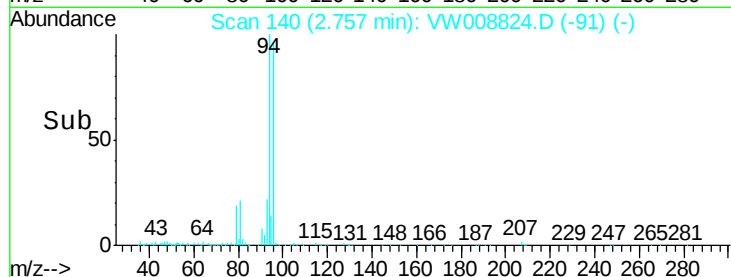
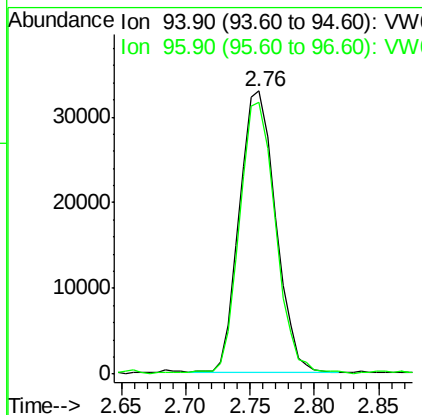
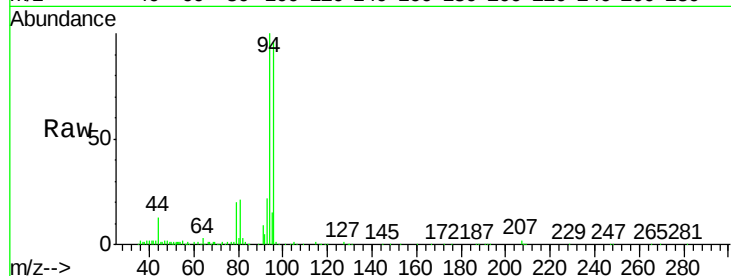
94 100

96 95.9 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 19.210 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008824.D

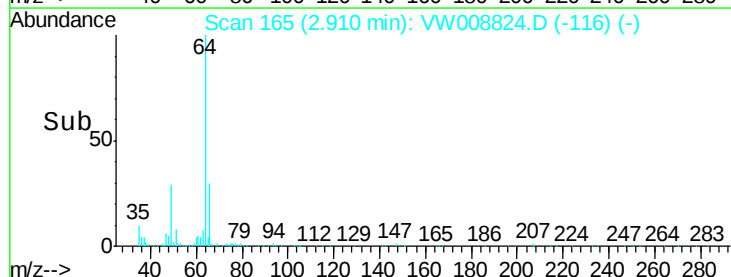
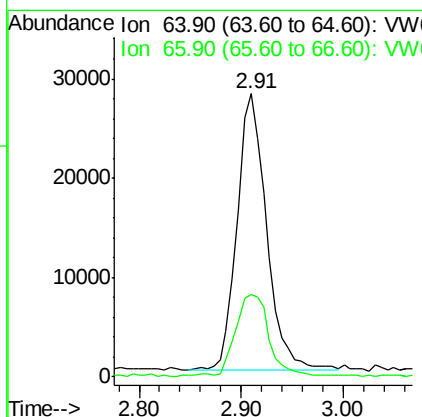
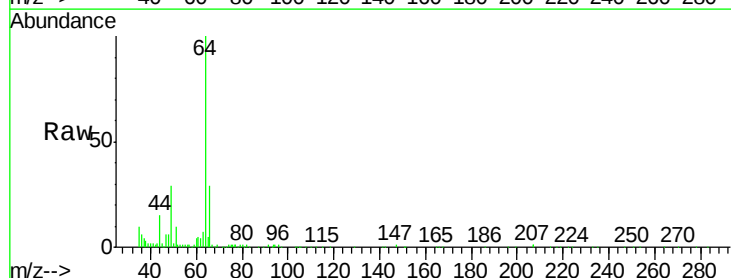
Acq: 26 Feb 2019 12:21

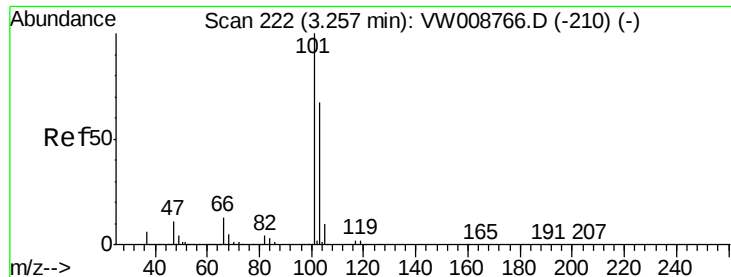
Tgt Ion: 64 Resp: 55641

Ion Ratio Lower Upper

64 100

66 29.5 25.5 38.3





#7

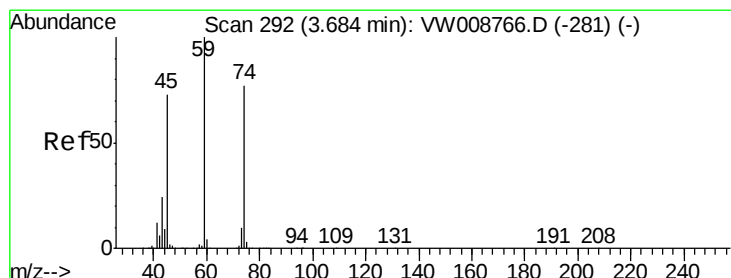
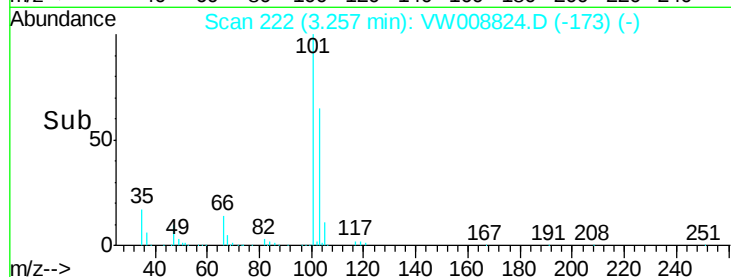
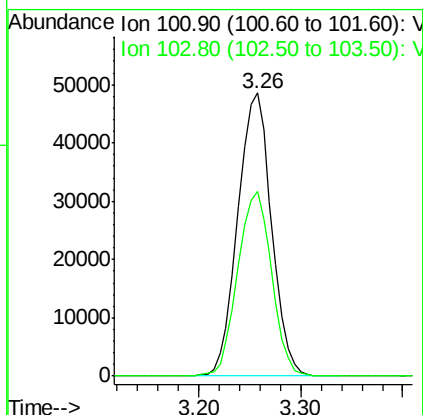
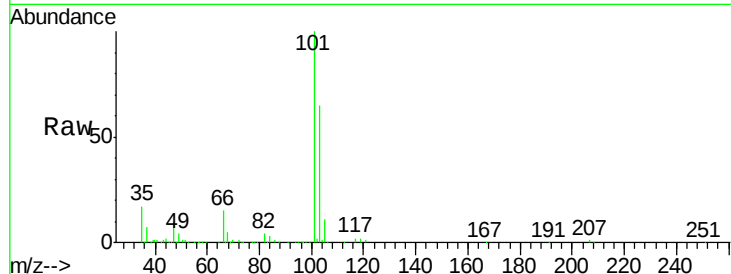
Trichlorofluoromethane
Concen: 21.634 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
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ClientSampleId :
VW0226SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.9	80.9

Manual Integrations
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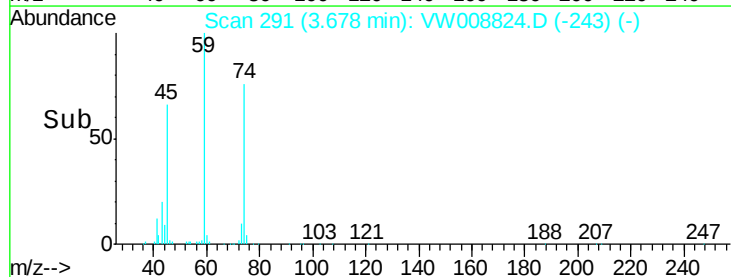
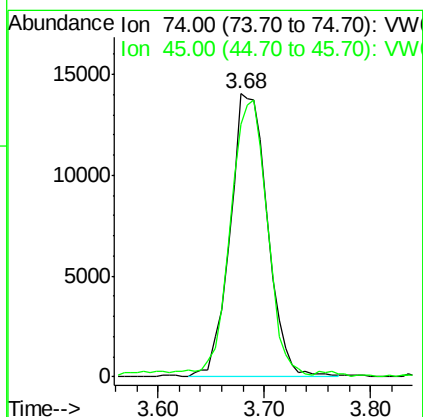
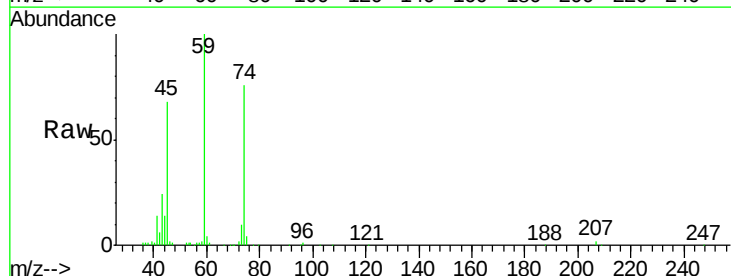
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#8

Diethyl Ether
Concen: 21.189 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.281 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

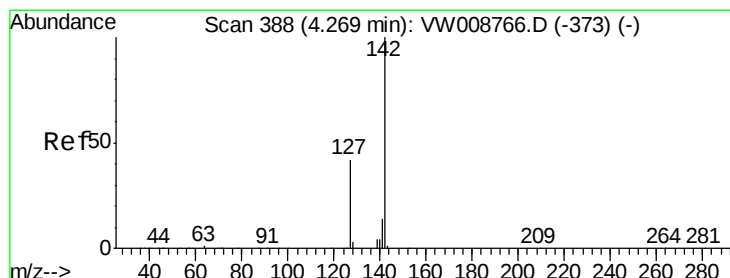
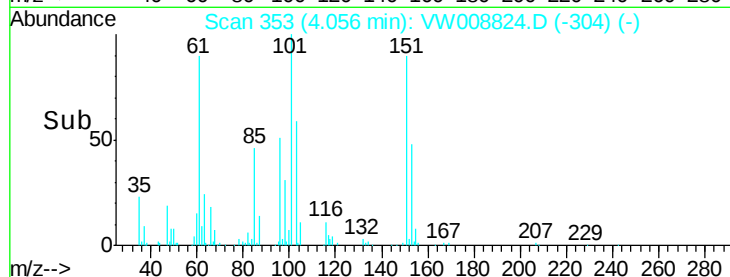
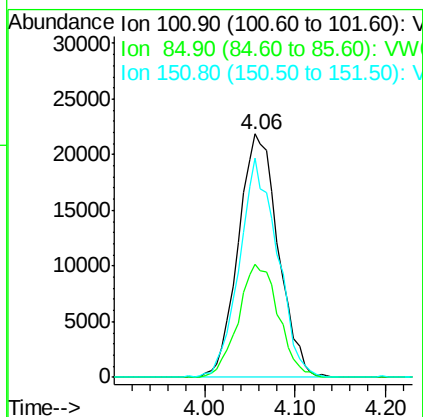
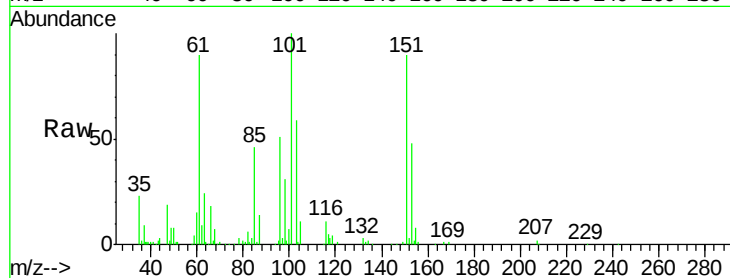
ClientSampleId :

VW0226SBS01

Tot Ion:	101	Resp:	66667
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.0	54.0
151	85.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.111 ug/l

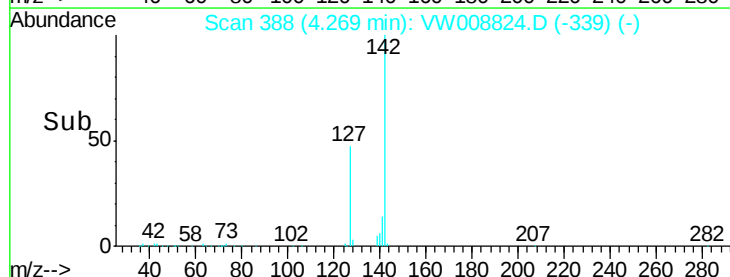
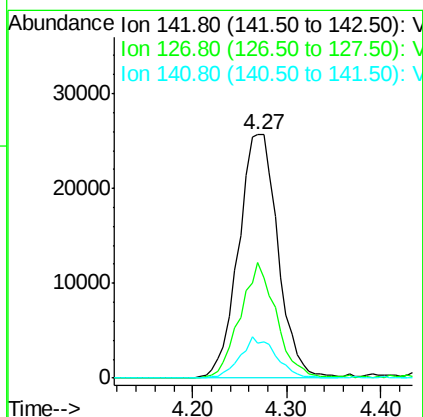
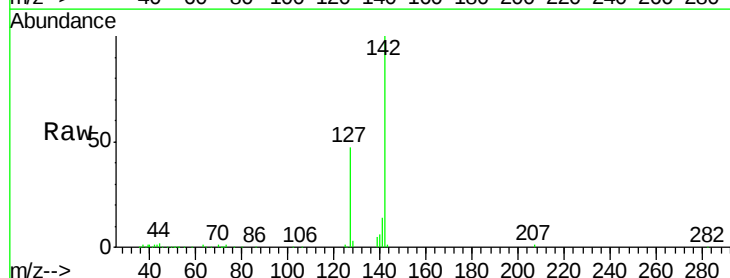
RT: 4.27 min Scan# 388

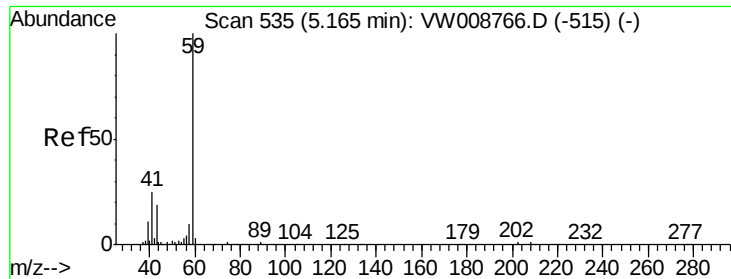
Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Tgt Ion:	142	Resp:	74865
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.3	52.9
141	15.3	11.7	17.5





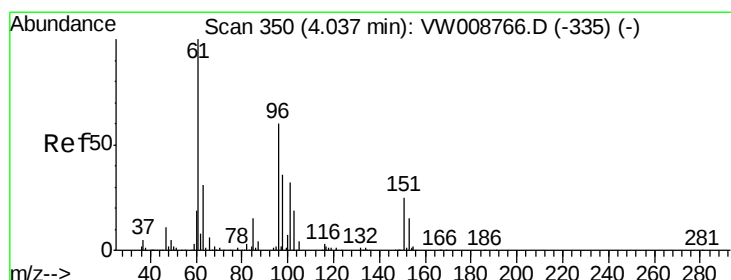
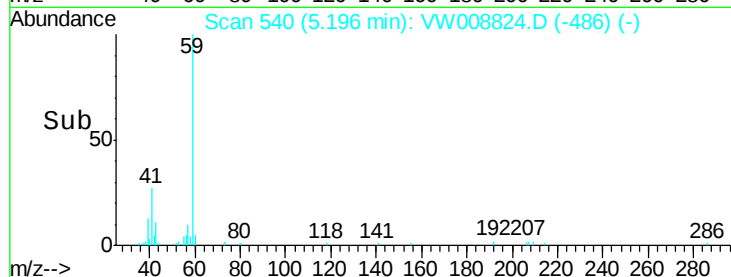
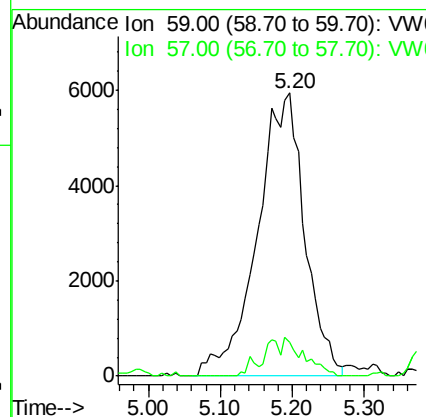
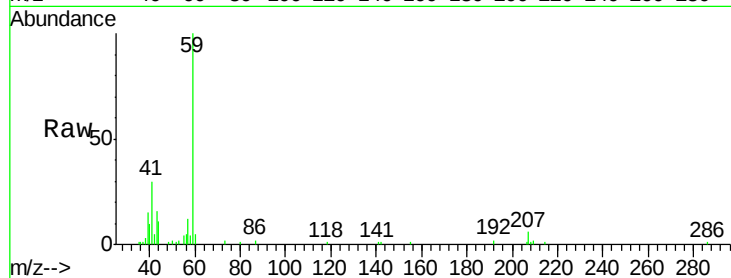
#11
Tert butyl alcohol
Concen: 103.102 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.03 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

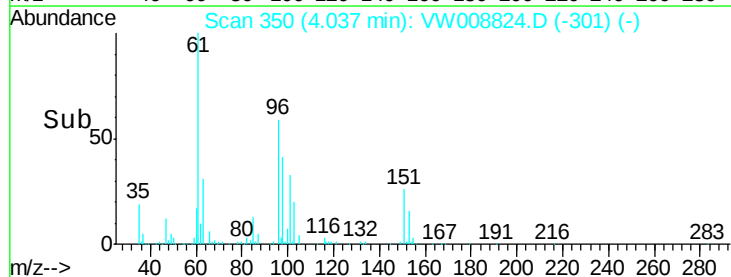
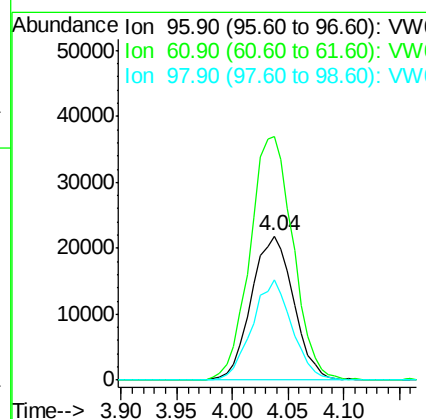
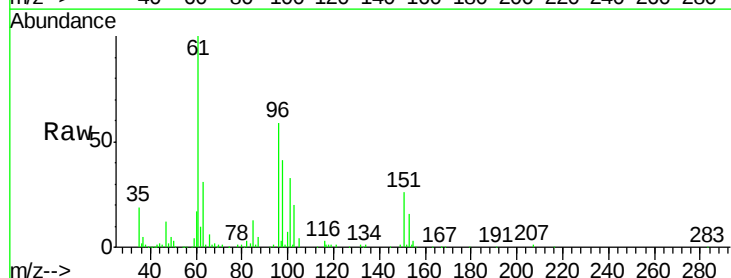
Manual Integrations
APPROVED

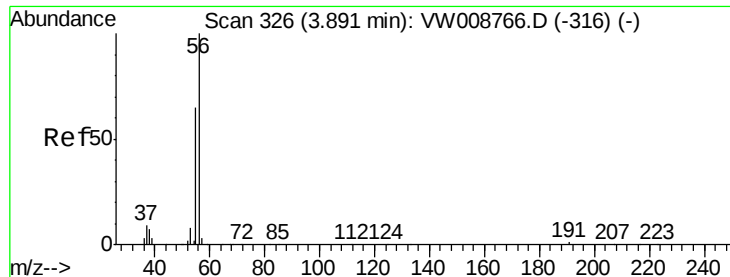
MMDadoda
2/27/2019 5:20:45 PM



#12
1,1-Dichloroethene
Concen: 20.780 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	132.5	198.7
98	69.1	48.2	72.4





#13

Acrolein

Concen: 100.806 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 56 Resp: 24487

Ion Ratio Lower Upper

56 100

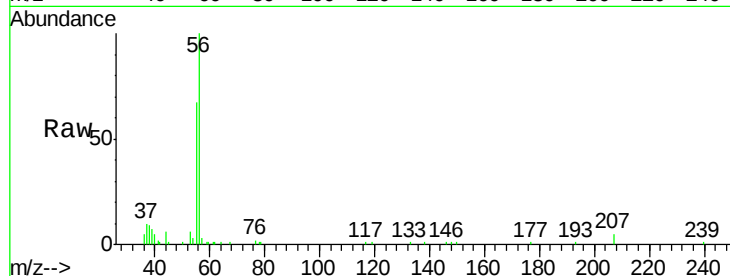
55 70.1 56.9 85.3

Manual Integrations

APPROVED

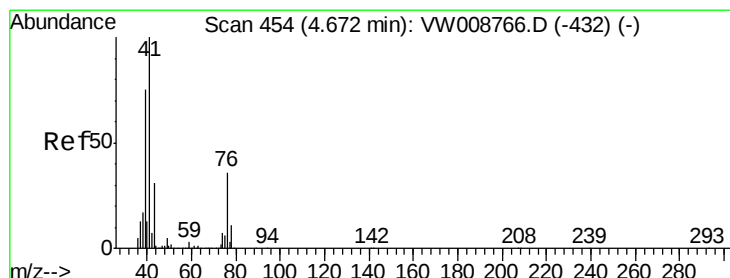
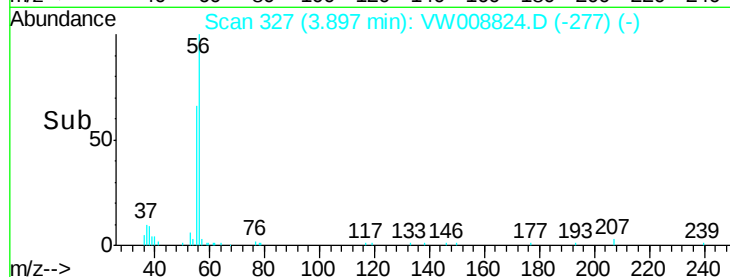
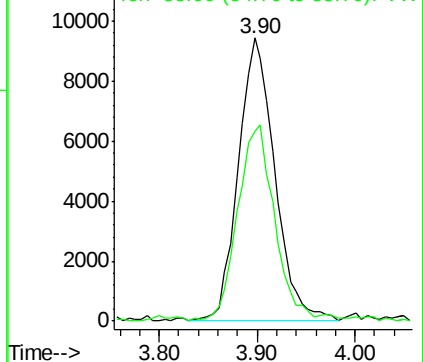
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.076 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

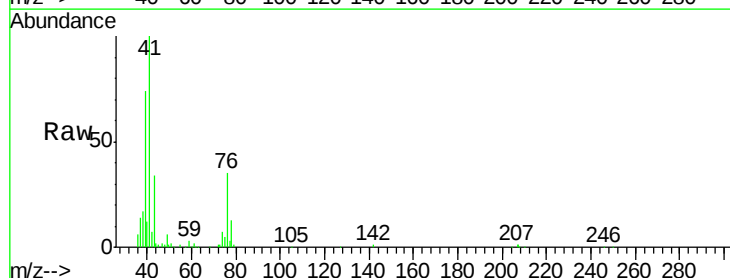
Tgt Ion: 41 Resp: 100637

Ion Ratio Lower Upper

41 100

39 77.1 60.6 91.0

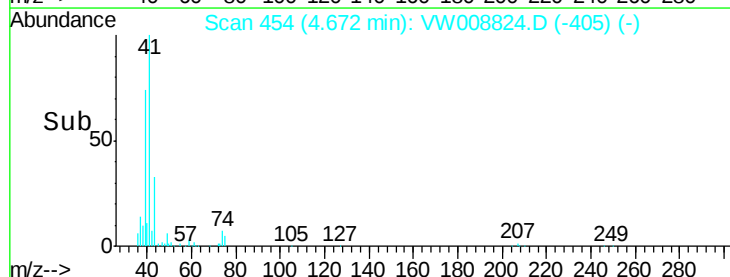
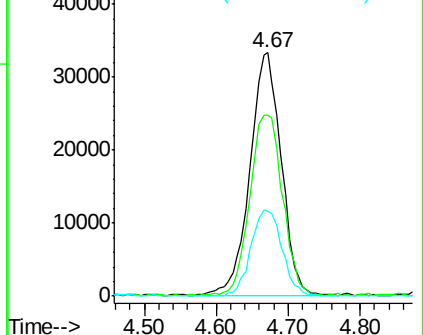
76 35.3 28.6 42.8



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





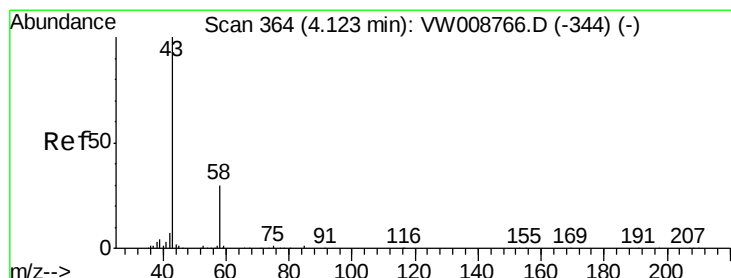
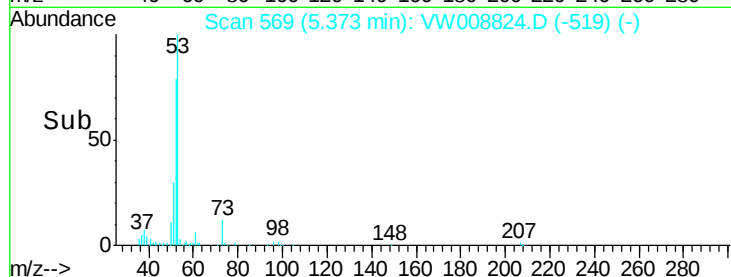
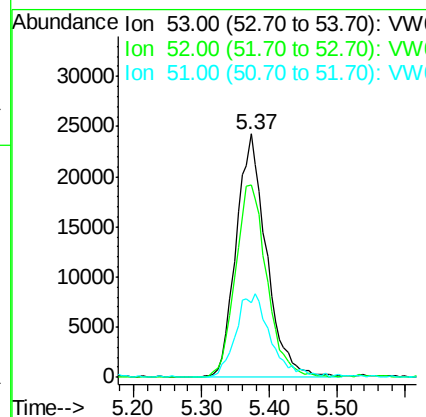
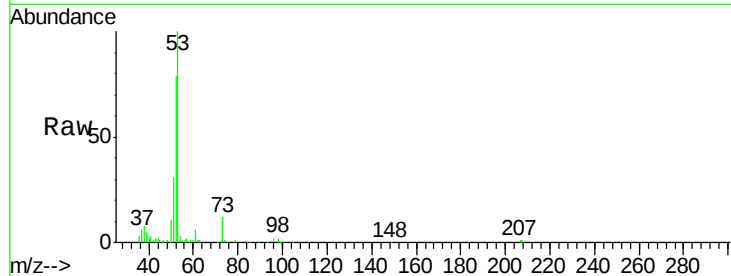
#15
 Acrylonitrile
 Concen: 107.039 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion:	53	Resp:	75027
Ion Ratio	Lower	Upper	
53	100		
52	82.1	67.2	100.8
51	39.2	31.1	46.7

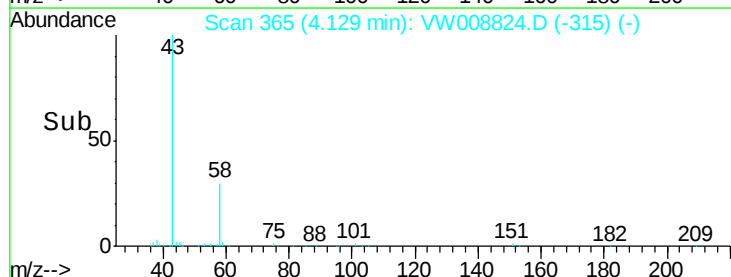
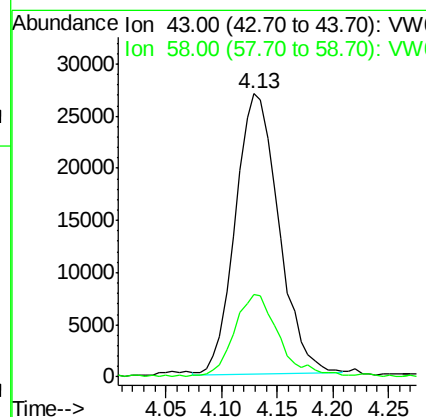
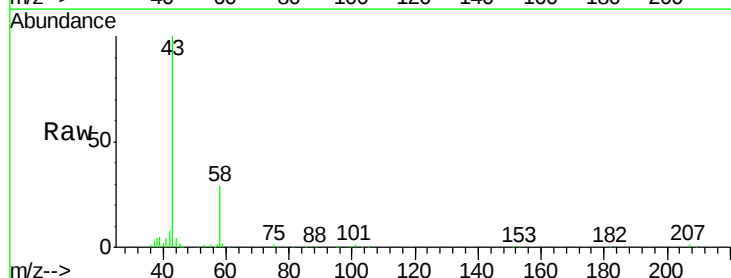
Manual Integrations
 APPROVED

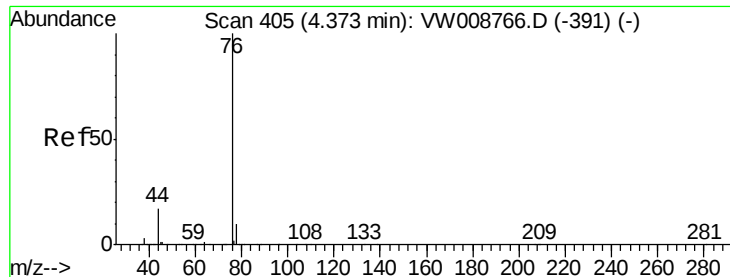
MMDadoda
 2/27/2019 5:20:45 PM



#16
 Acetone
 Concen: 105.711 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion:	43	Resp:	72619
Ion Ratio	Lower	Upper	
43	100		
58	29.2	23.8	35.6





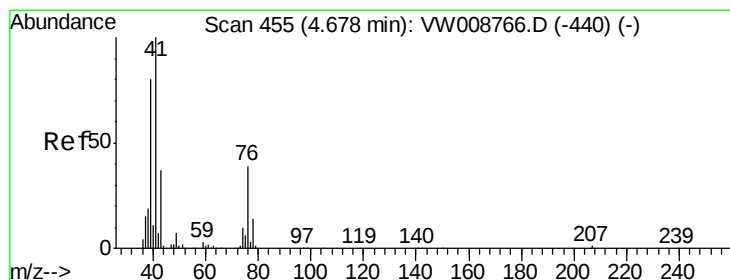
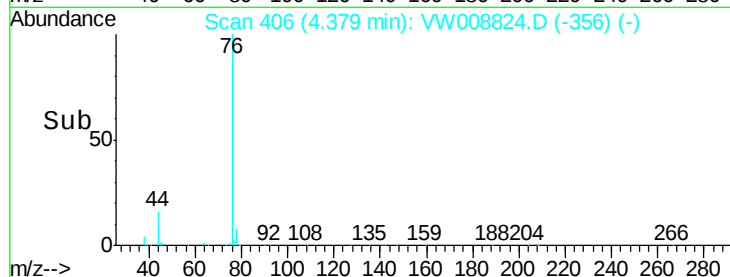
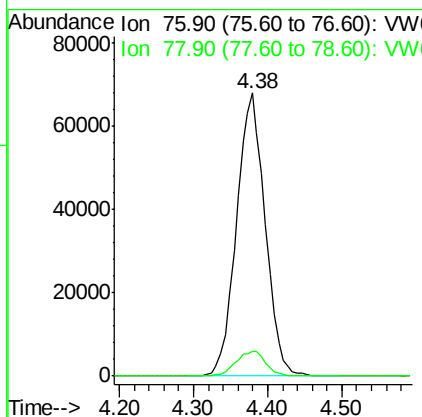
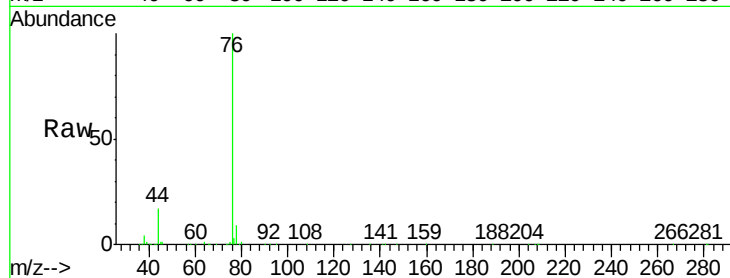
#17
Carbon Disulfide
Concen: 19.941 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.8	11.8

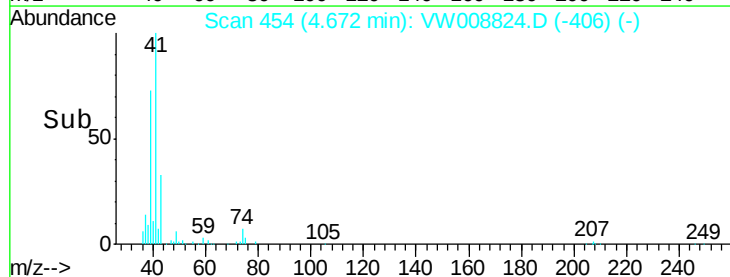
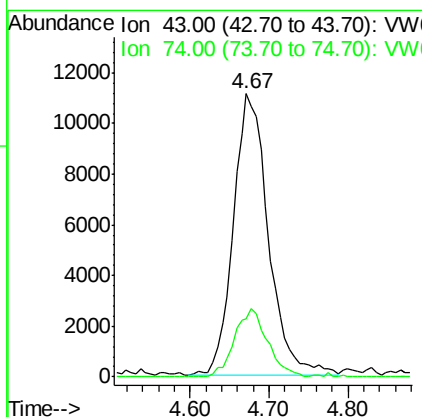
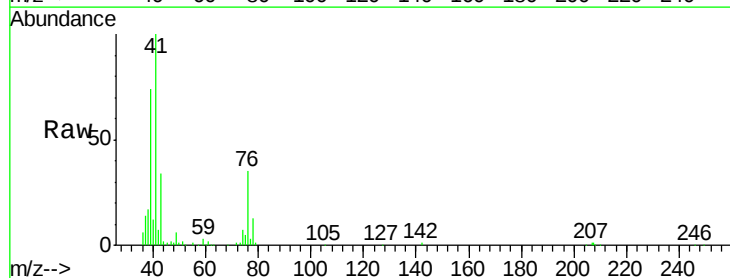
Manual Integrations
APPROVED

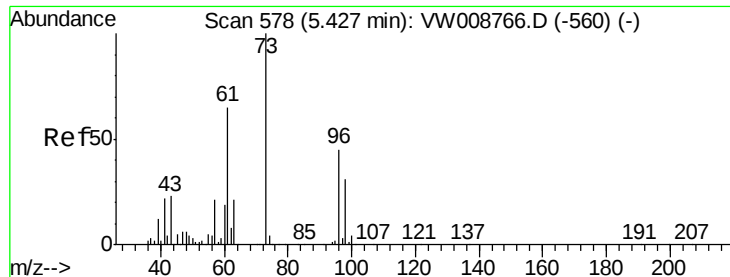
MMDadoda
2/27/2019 5:20:45 PM



#18
Methyl Acetate
Concen: 20.909 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.4	29.2





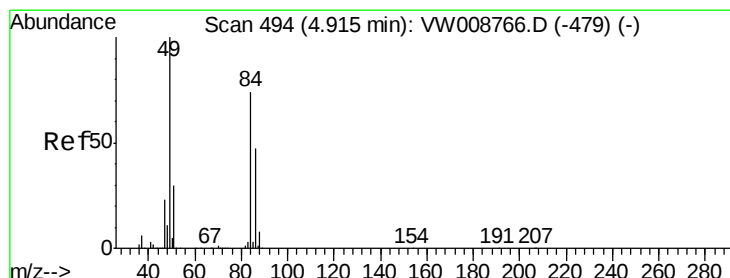
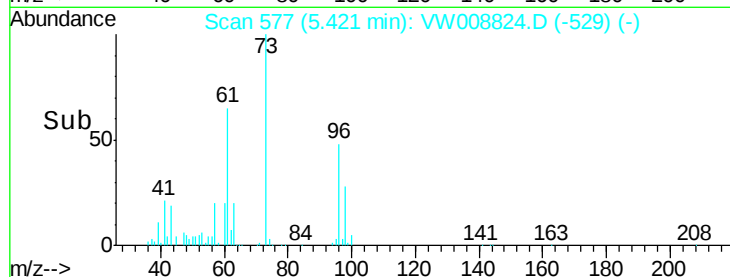
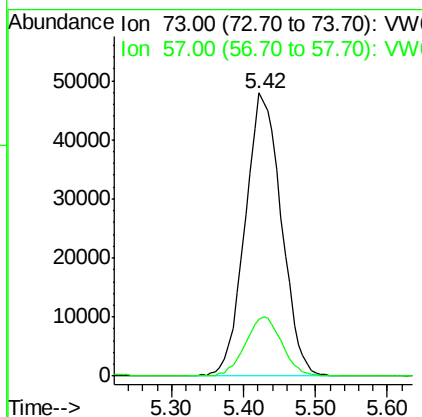
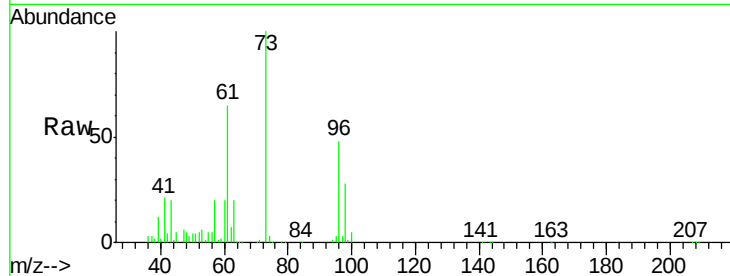
#19
Methvl tert-butvl Ether
Concen: 22.317 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion: 73 Resp: 167121
Ion Ratio Lower Upper
73 100
57 19.8 16.8 25.2

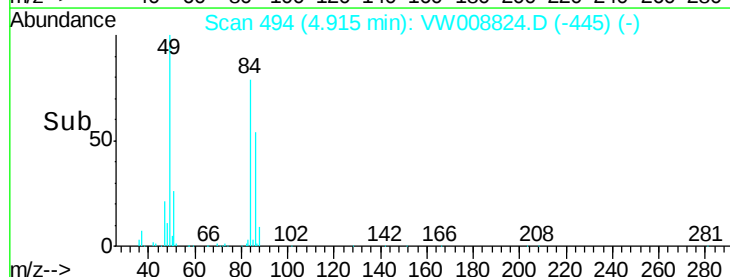
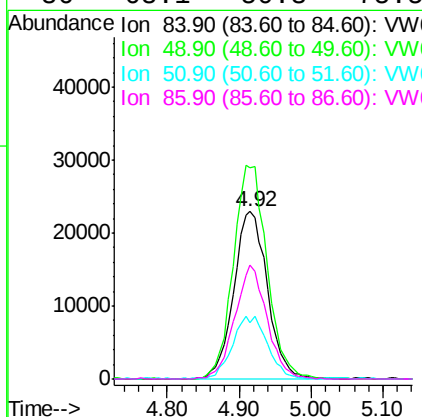
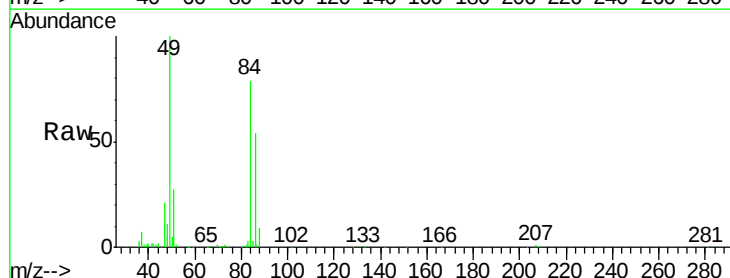
Manual Integrations
APPROVED

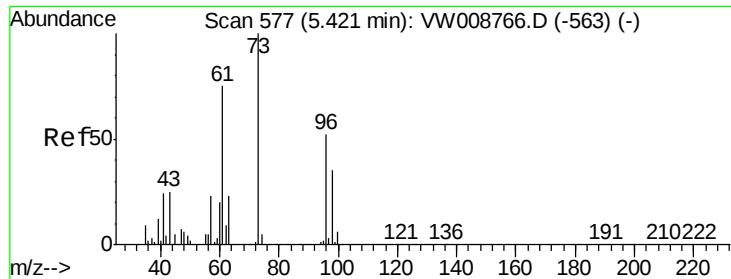
MMDadoda
2/27/2019 5:20:45 PM



#20
Methylene Chloride
Concen: 18.874 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion: 84 Resp: 74634
Ion Ratio Lower Upper
84 100
49 126.4 108.2 162.2
51 33.5 32.7 49.1
86 68.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 21.157 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

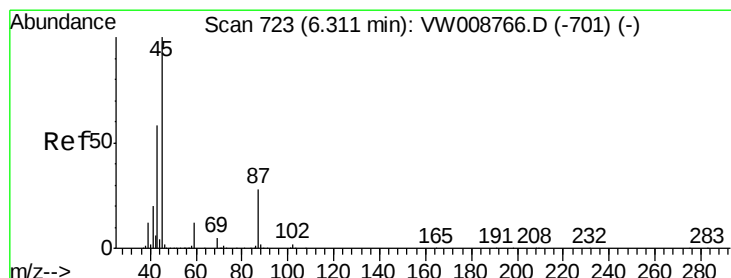
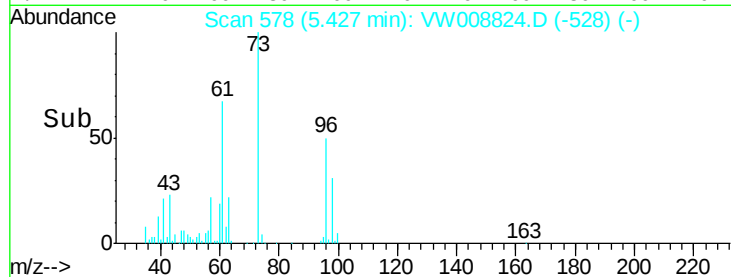
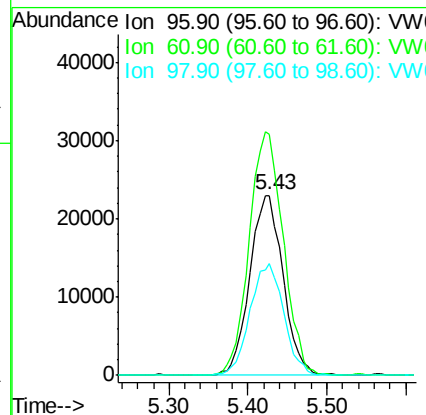
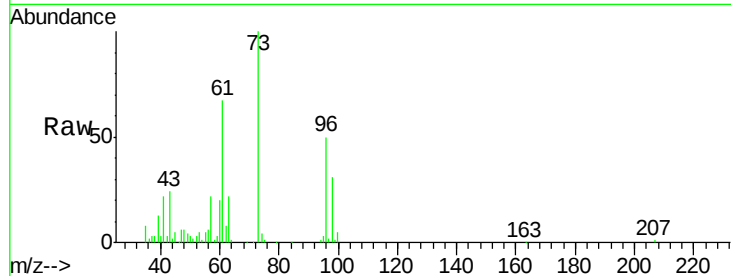
ClientSampleId :

VW0226SBS01

Tot Ion:	96	Resp:	67710
Ion Ratio	Lower	Upper	
96	100		
61	133.6	114.6	171.8
98	62.3	54.0	81.0

Manual Integrations
APPROVED

MMDadoda
2/27/2019 5:20:45 PM



#22

Diisopropyl ether

Concen: 21.677 ug/l

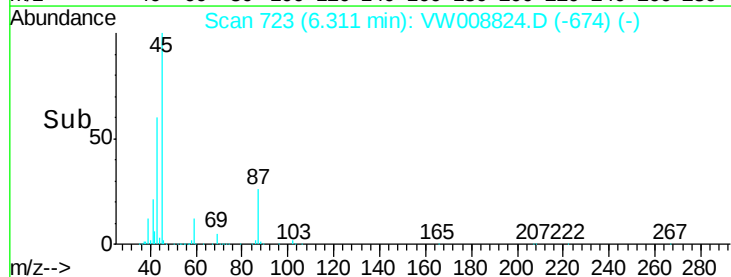
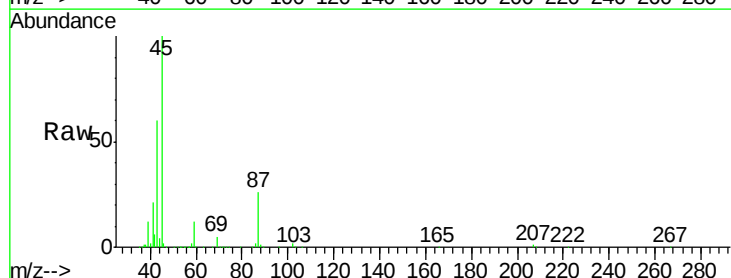
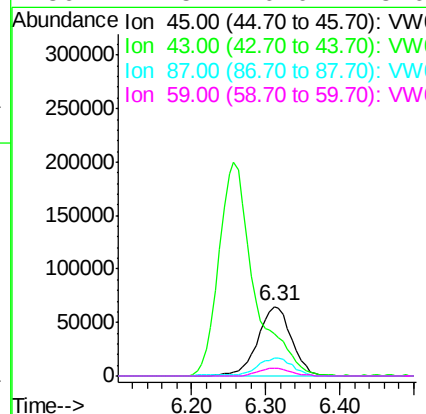
RT: 6.31 min Scan# 723

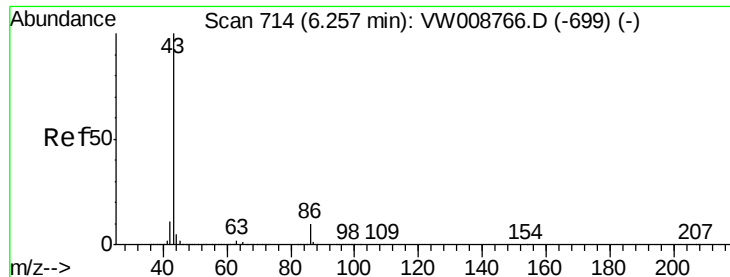
Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Tgt Ion:	45	Resp:	206482
Ion Ratio	Lower	Upper	
45	100		
43	58.9	46.1	69.1
87	26.0	22.2	33.4
59	11.5	10.0	15.0





#23

Vinyl Acetate

Concen: 111.896 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 43 Resp: 658541

Ion Ratio Lower Upper

43 100

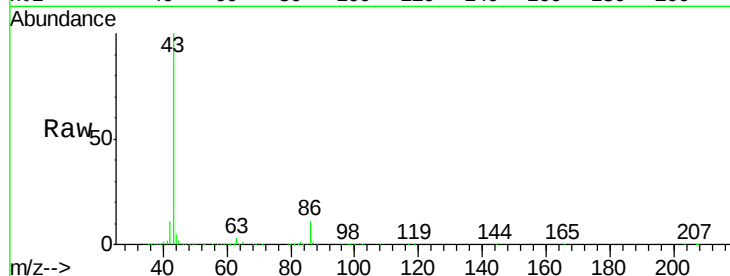
86 10.7 8.1 12.1

Manual Integrations

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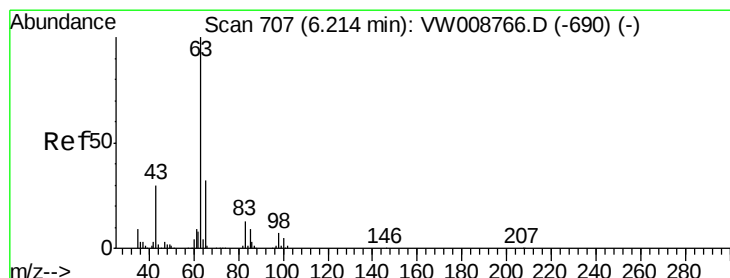
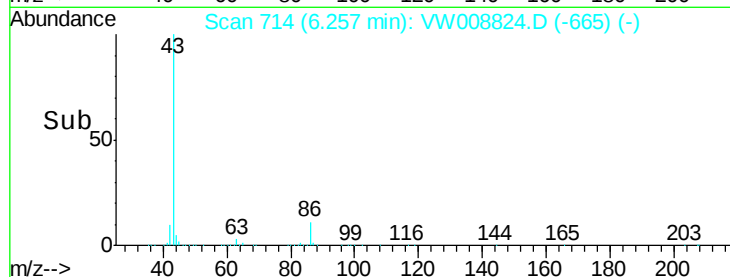
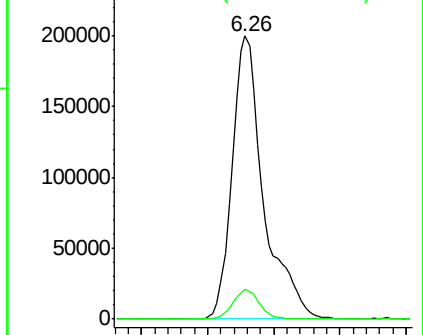
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.550 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

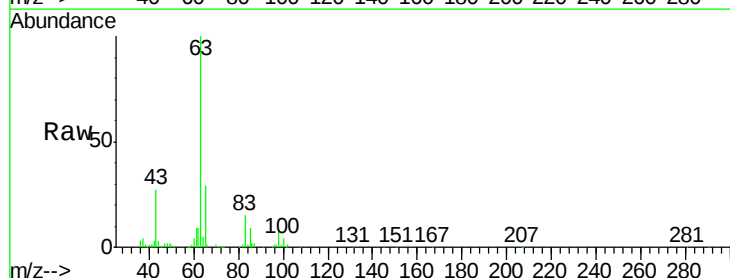
Tgt Ion: 63 Resp: 118951

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.6

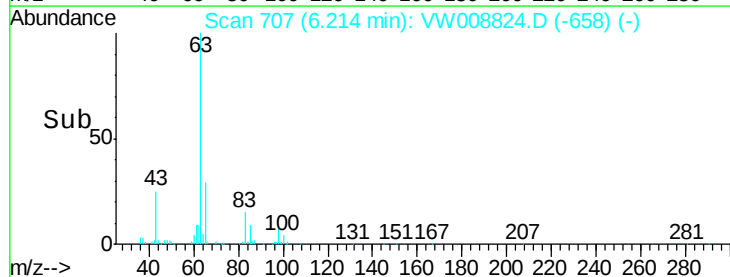
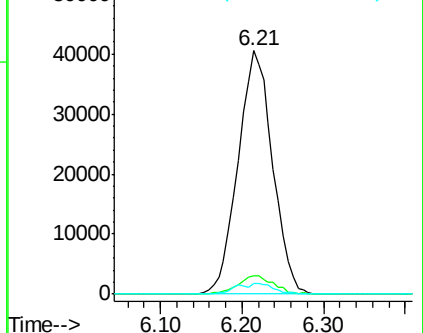
100 4.3 2.4 7.2

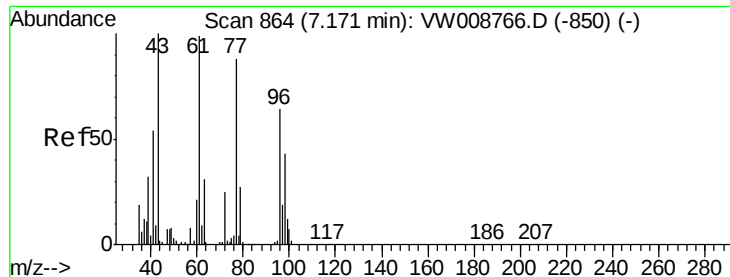


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 108.467 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 43 Resp: 104173

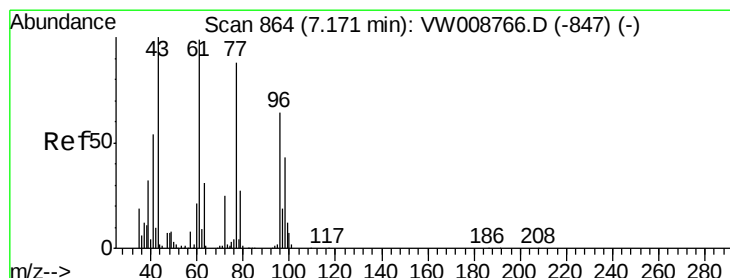
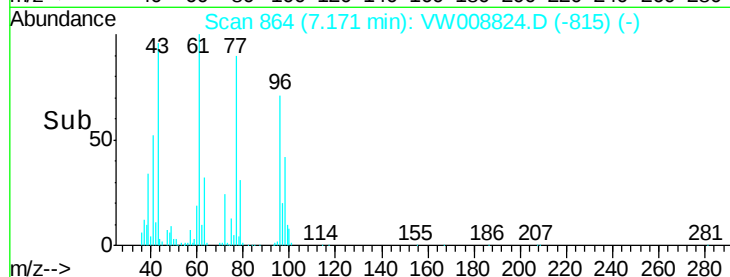
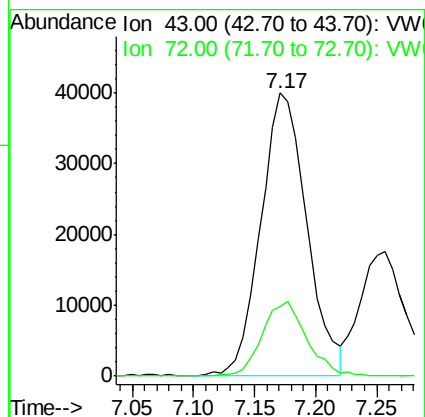
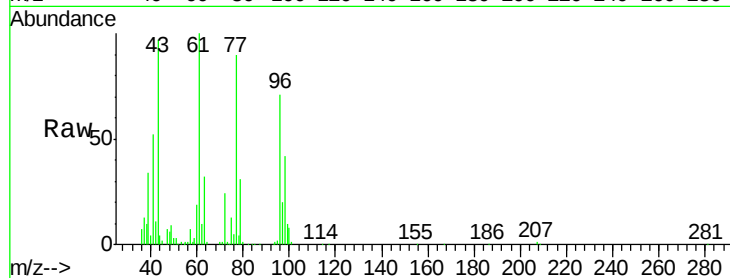
Ion Ratio Lower Upper

43 100

72 24.5 19.7 29.5

Manual Integrations
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2/27/2019 5:20:45 PM



#26

2,2-Dichloropropane

Concen: 21.827 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008824.D

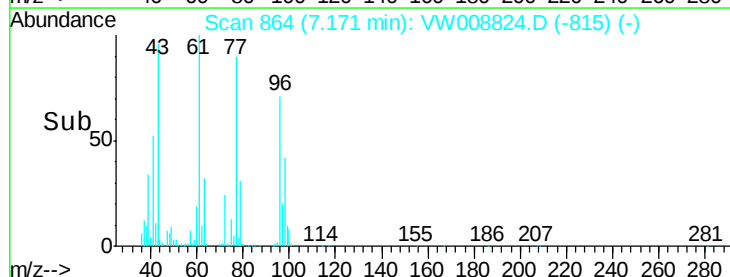
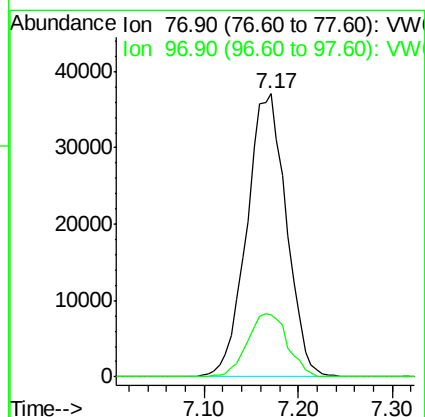
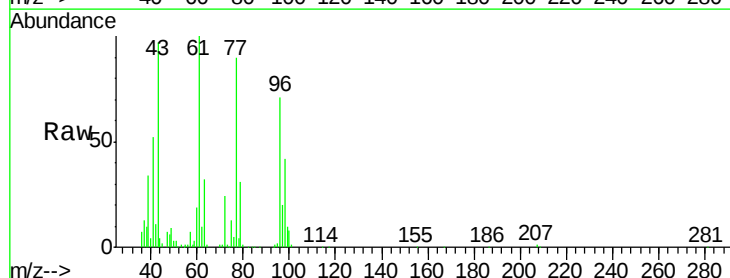
Acq: 26 Feb 2019 12:21

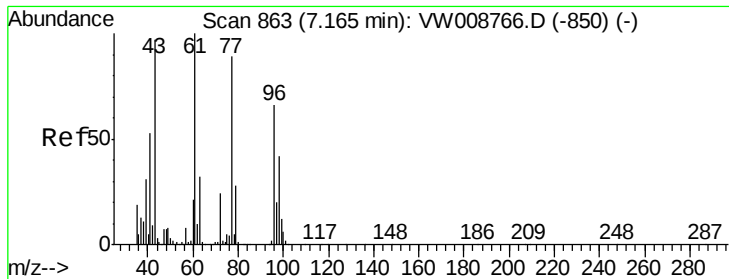
Tgt Ion: 77 Resp: 109380

Ion Ratio Lower Upper

77 100

97 22.7 11.0 33.0





#27

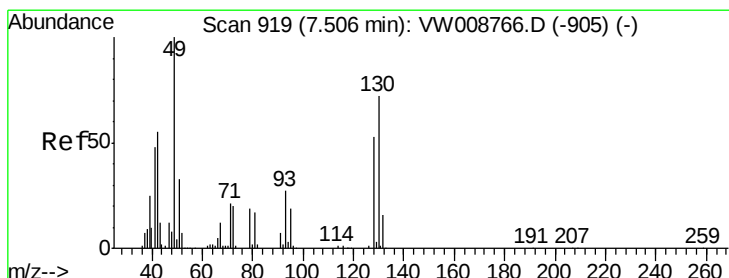
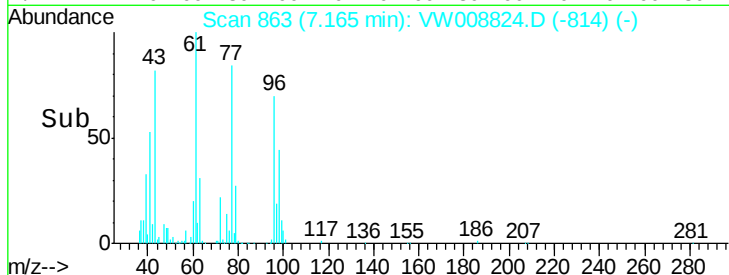
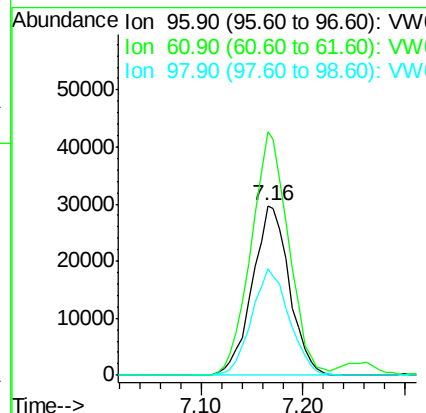
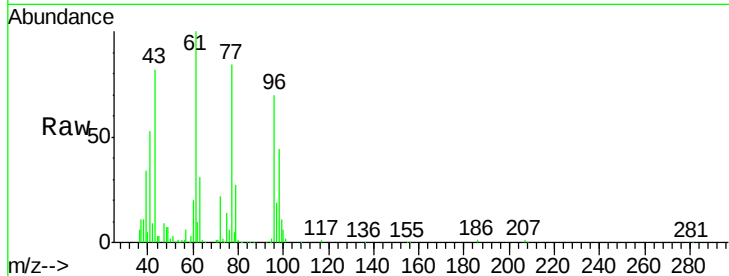
cis-1,2-Dichloroethene
 Concen: 21.895 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	302.6
98	63.8	0.0	130.0

Manual Integrations
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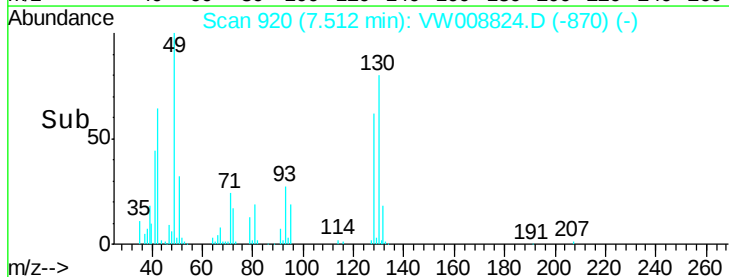
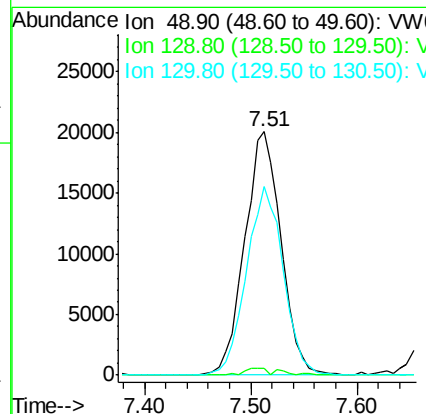
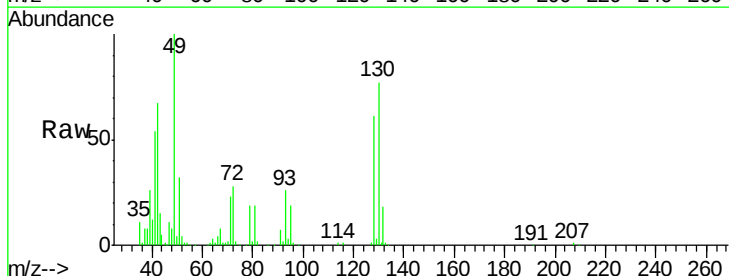
MMDadoda
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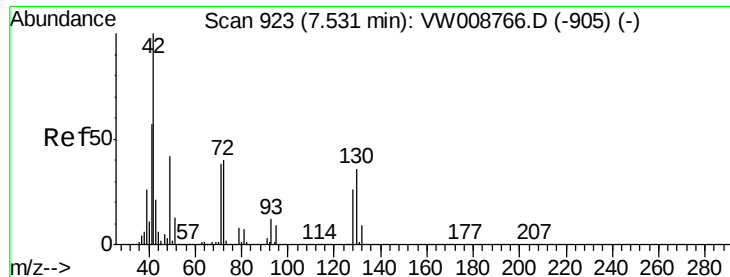


#28

Bromochloromethane
 Concen: 20.869 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.6
130	78.1	61.3	91.9





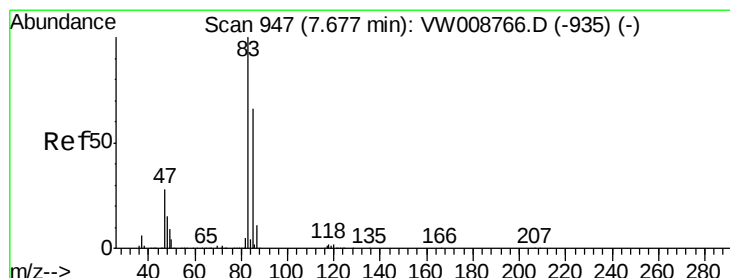
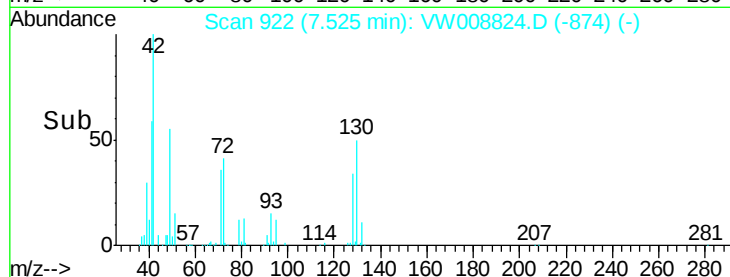
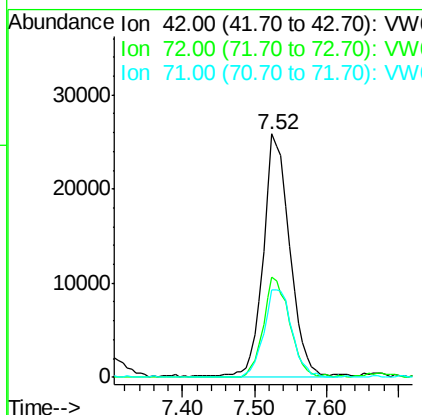
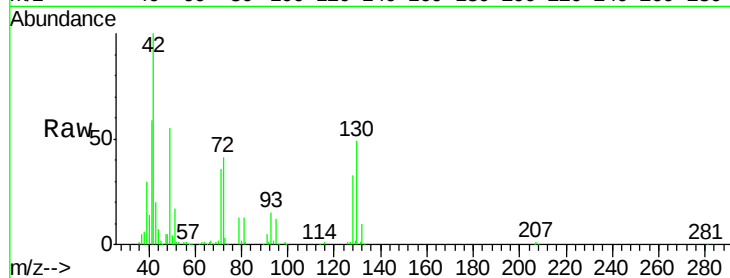
#29
Tetrahydrofuran
Concen: 109.016 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.7	49.1
71	37.8	31.3	46.9

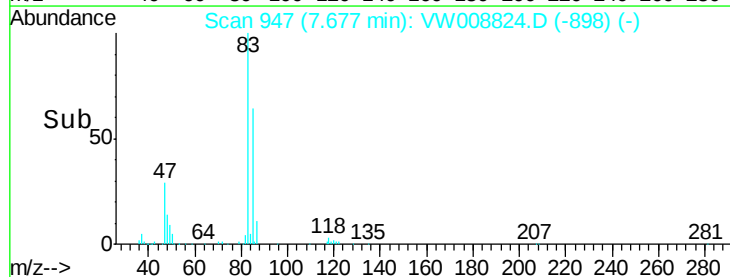
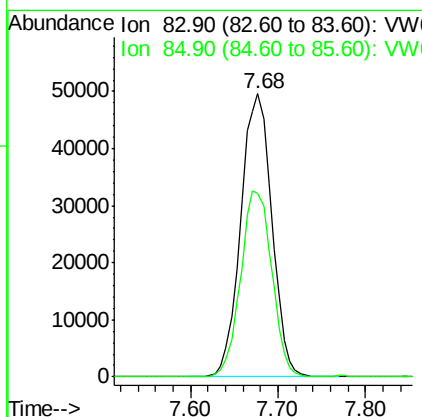
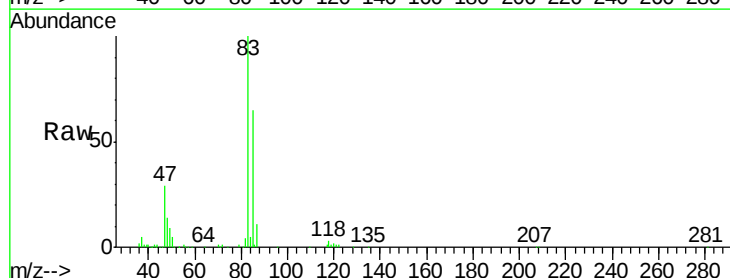
Manual Integrations
APPROVED

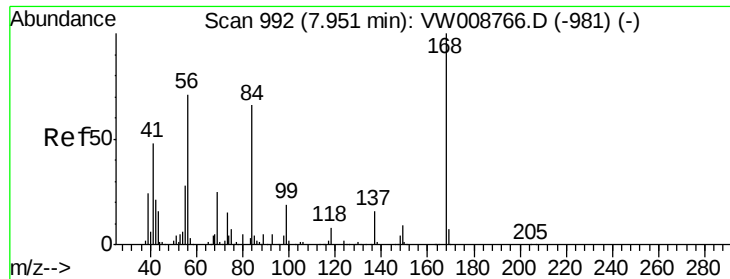
MMDadoda
2/27/2019 5:20:45 PM



#30
Chloroform
Concen: 21.643 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	79.0





#31

Cyclohexane

Concen: 21.006 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

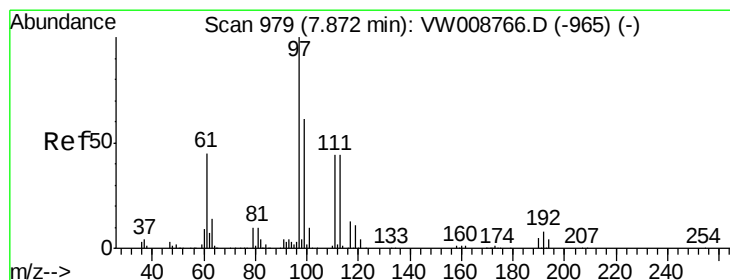
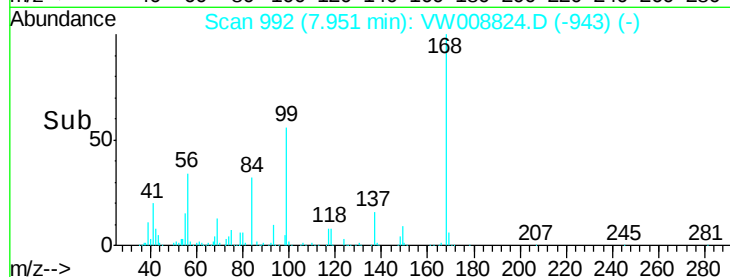
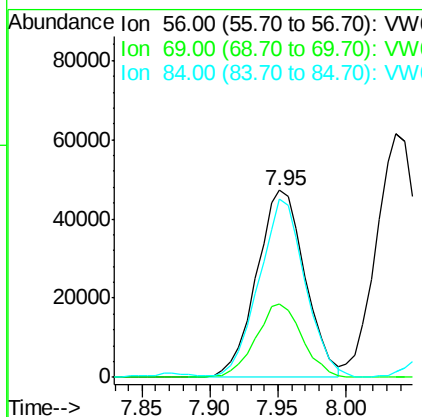
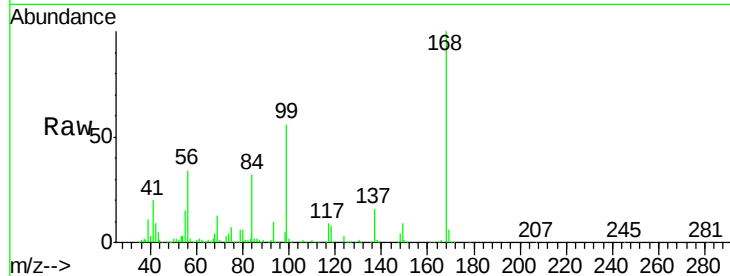
ClientSampleId :

VW0226SBS01

Tot Ion:	56	Resp:	117366
Ion	Ratio	Lower	Upper
56	100		
69	39.0	28.2	42.4
84	93.3	74.1	111.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.561 ug/l

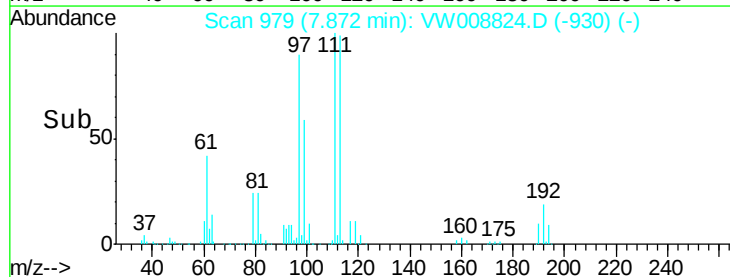
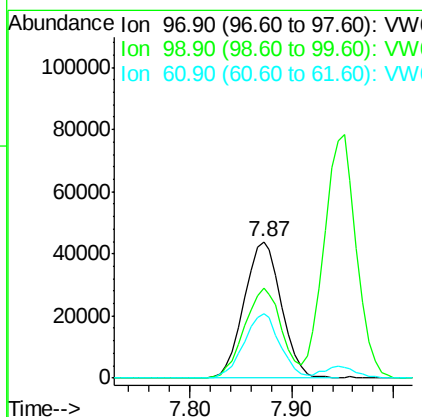
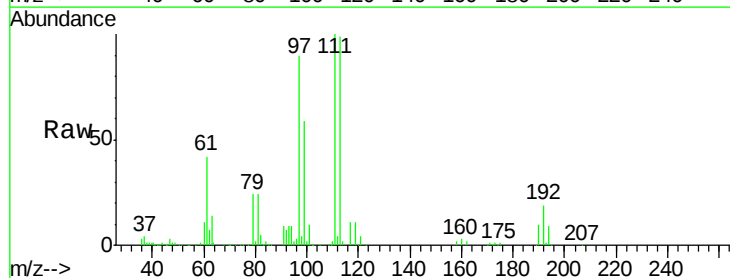
RT: 7.87 min Scan# 979

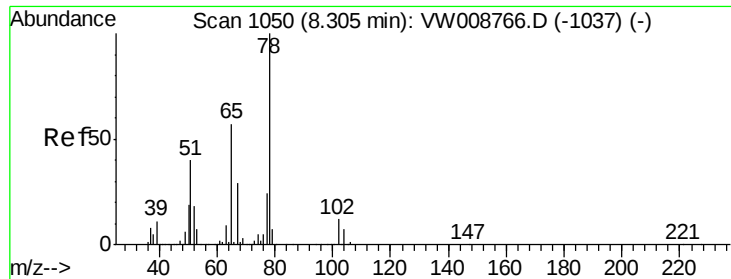
Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Tgt Ion:	97	Resp:	111027
Ion	Ratio	Lower	Upper
97	100		
99	66.1	50.8	76.2
61	45.8	36.0	54.0





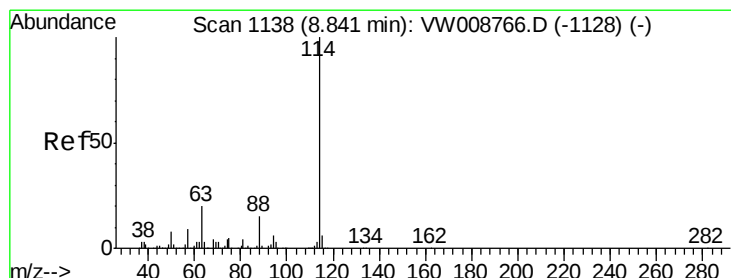
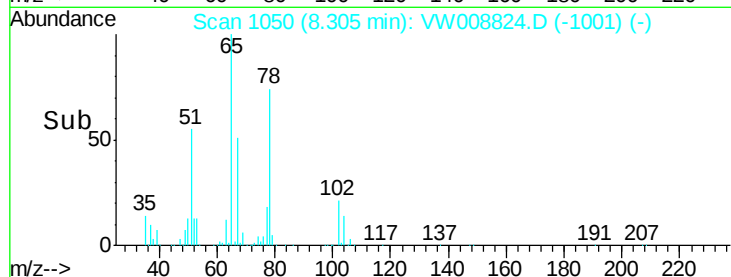
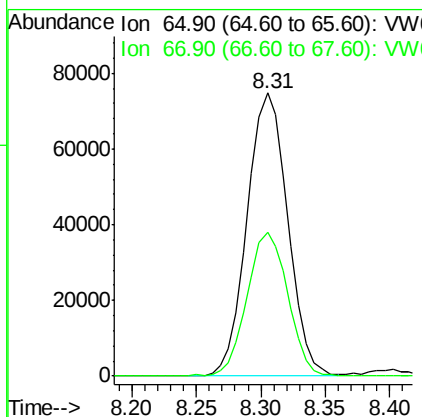
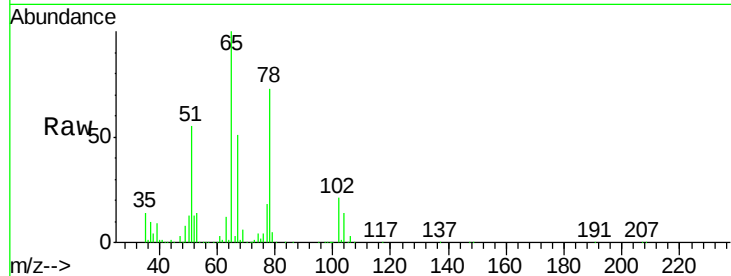
#33
 1,2-Dichloroethane-d4
 Concen: 55.148 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163442		
67	51.3	0.0	101.4	

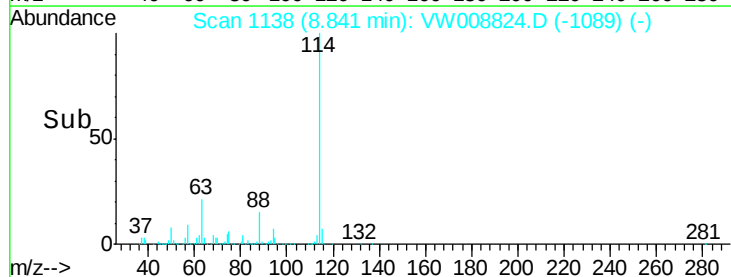
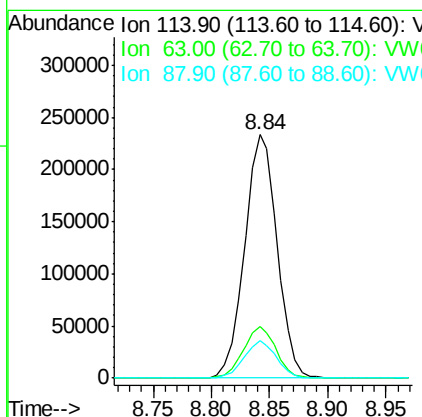
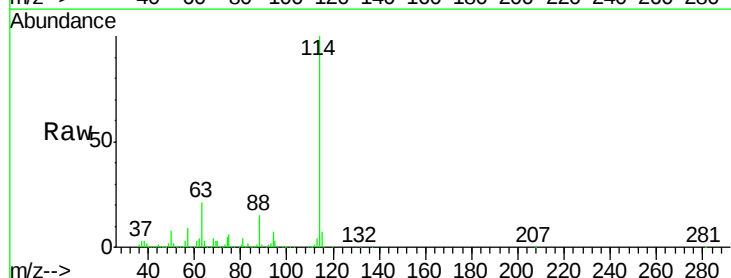
Manual Integrations
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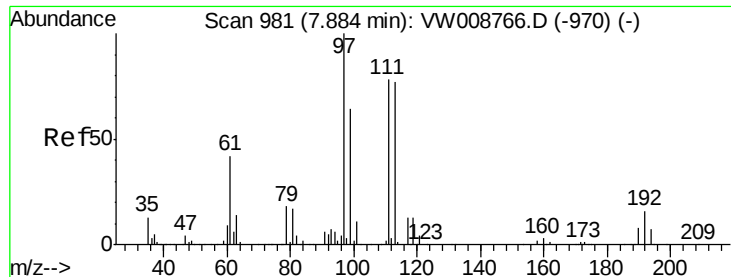
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	453605		
63	21.4	0.0	40.8	
88	15.3	0.0	30.4	





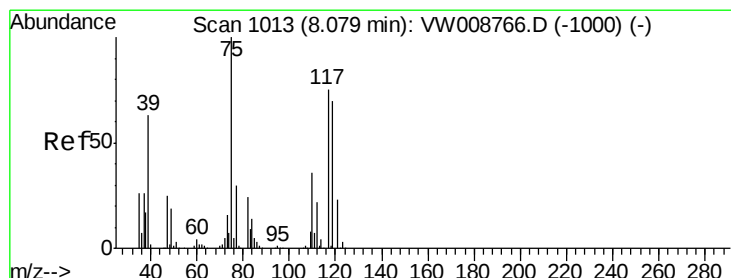
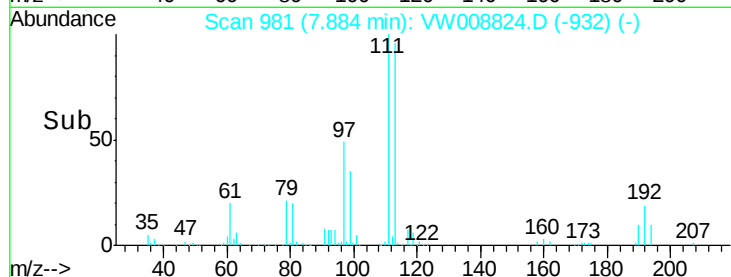
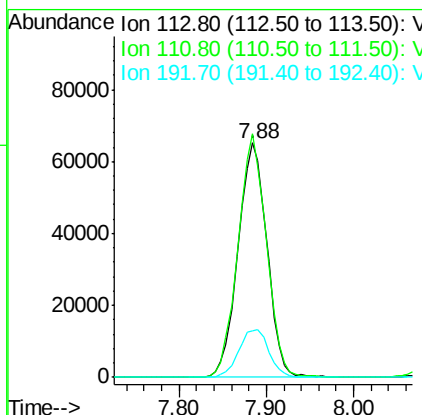
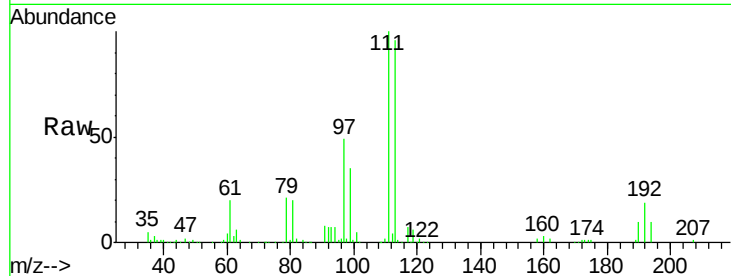
#35
 Dibromofluoromethane
 Concen: 55.100 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150064		
111	102.2	81.9	122.9	
192	21.2	17.1	25.7	

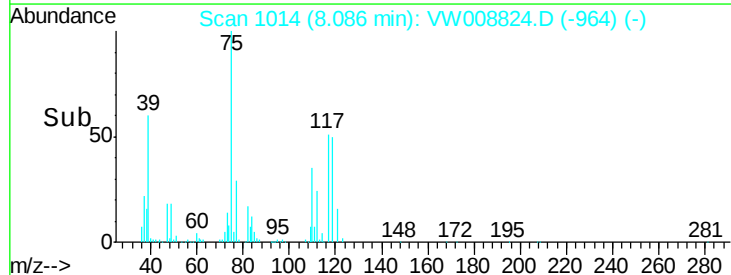
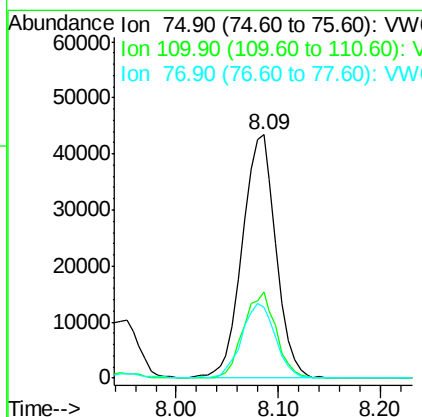
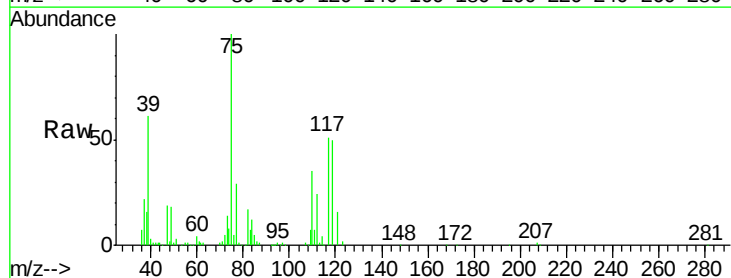
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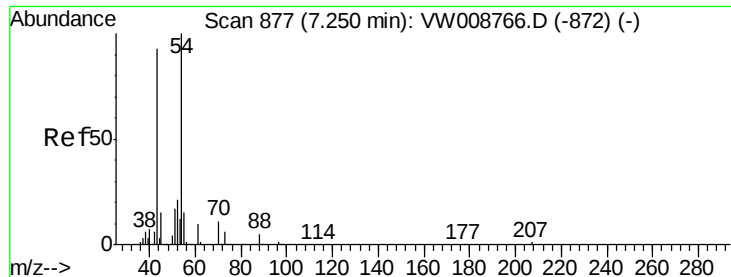
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#36
 1,1-Dichloropropene
 Concen: 22.568 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99649		
110	34.3	17.5	52.6	
77	30.8	24.5	36.7	





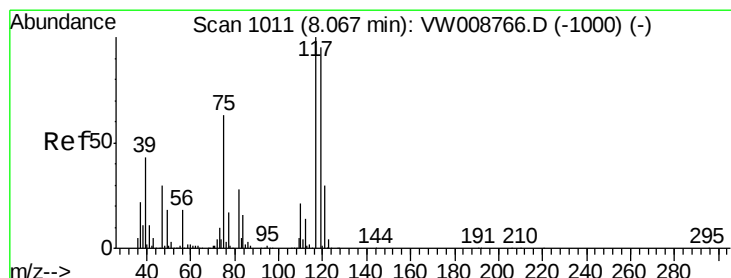
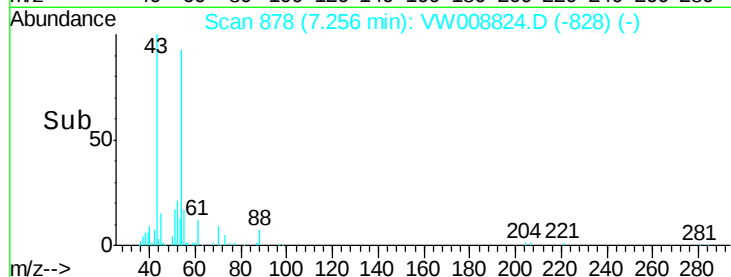
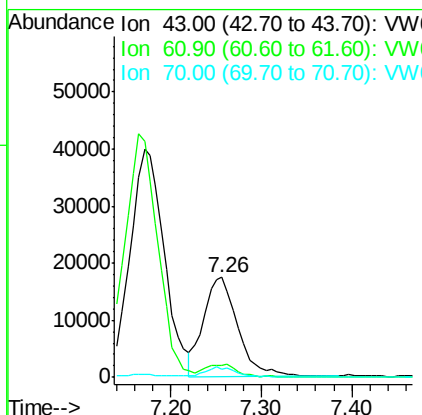
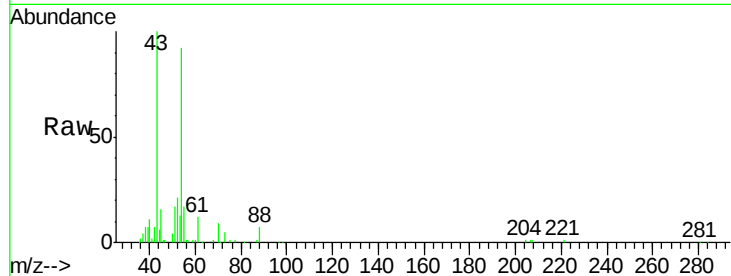
#37
Ethyl Acetate
Concen: 22.233 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.8	14.8
70	9.4	8.4	12.6

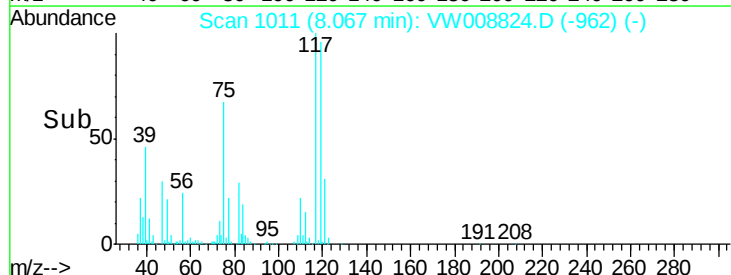
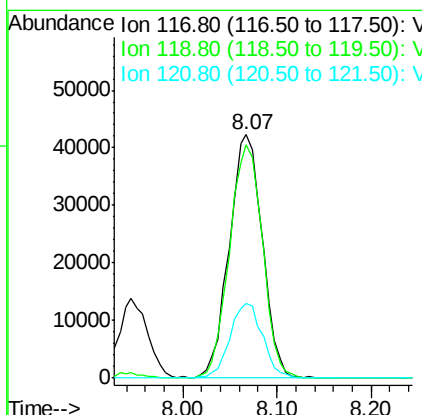
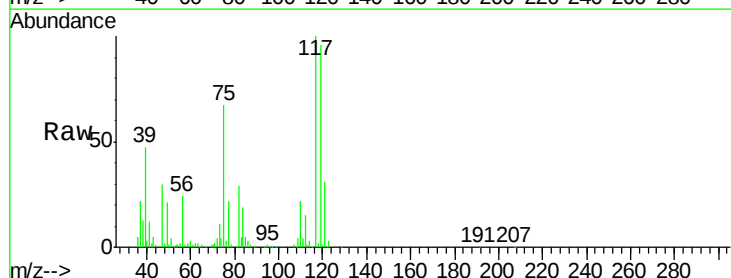
Manual Integrations
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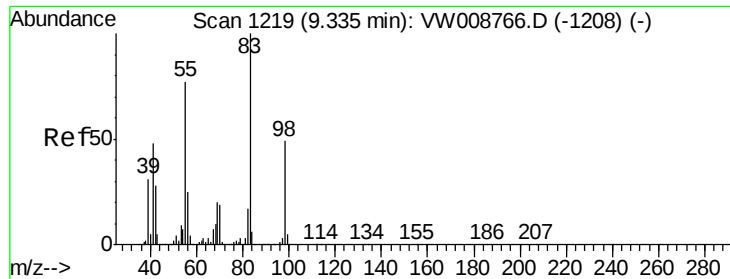
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.218 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

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





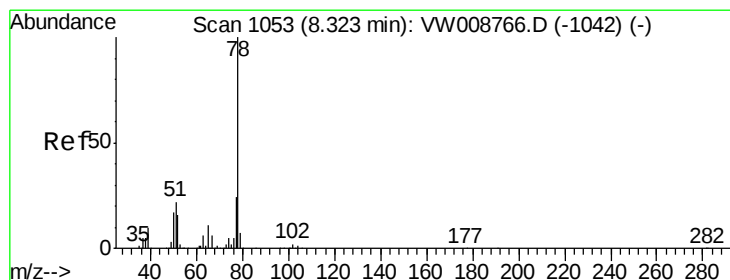
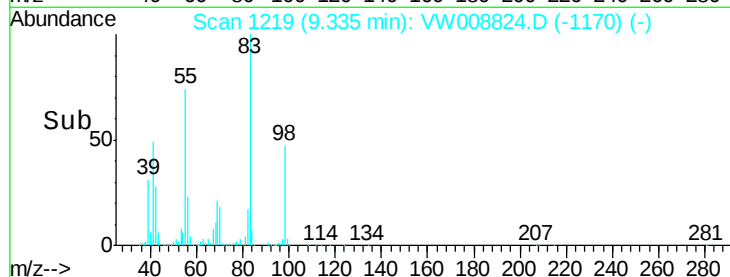
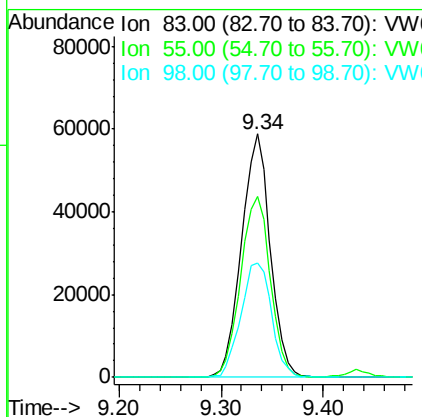
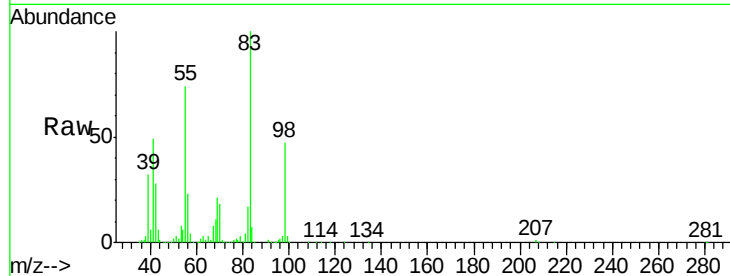
#39
Methvlcvclohexane
Concen: 20.908 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	115156		
55	74.4	61.2	91.8	
98	47.0	39.4	59.2	

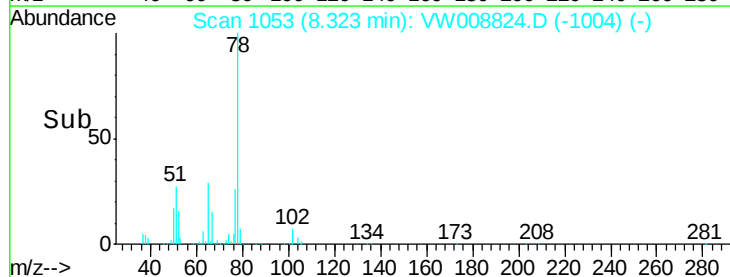
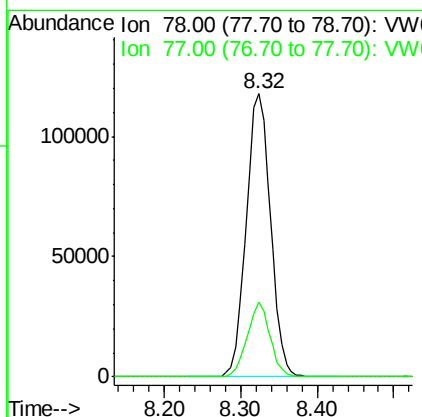
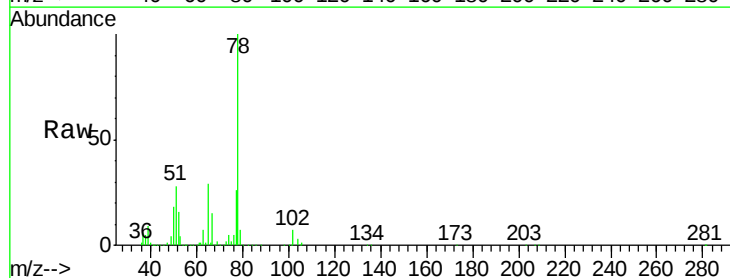
Manual Integrations
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#40
Benzene
Concen: 21.632 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	260792		
77	26.4	19.3	28.9	





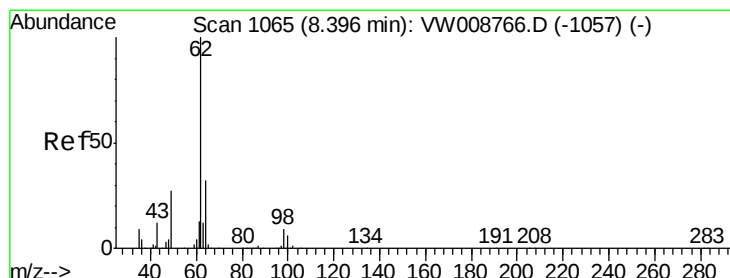
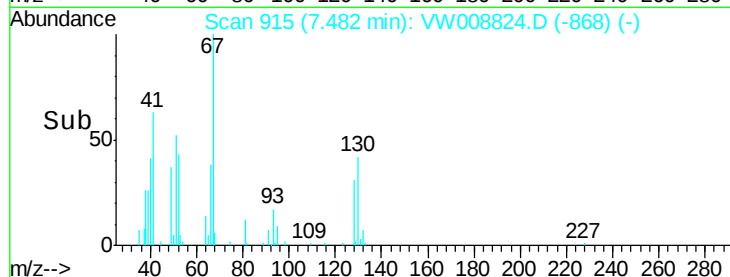
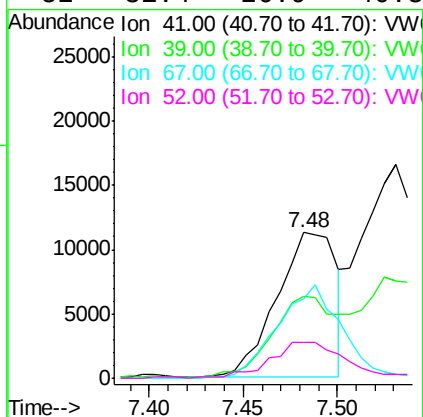
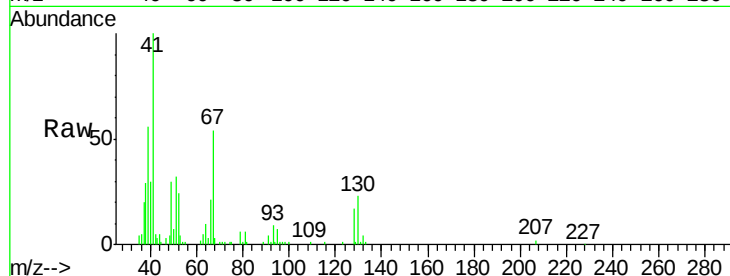
#41
Methacrylonitrile
Concen: 20.180 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.1	52.5	78.7
67	70.0	55.0	82.6
52	31.4	26.9	40.3

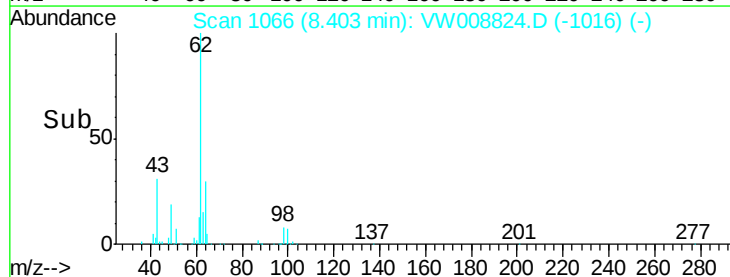
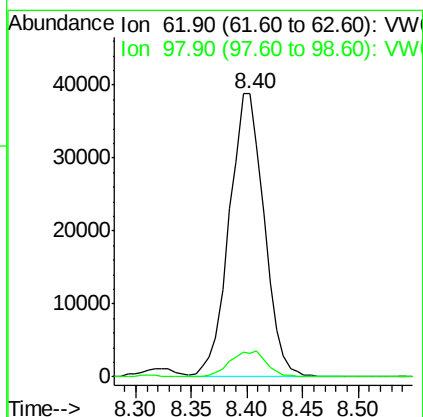
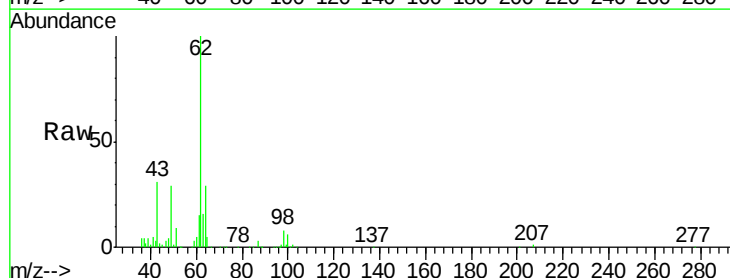
Manual Integrations
APPROVED

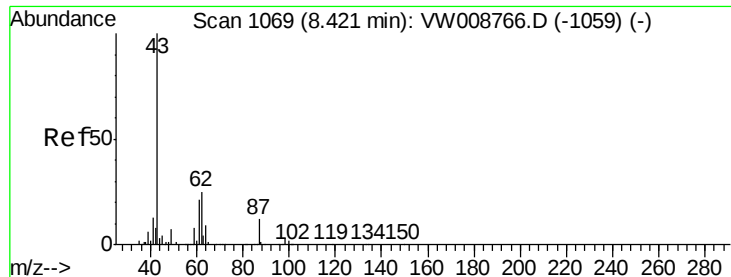
MMDadoda
2/27/2019 5:20:45 PM



#42
1,2-Dichloroethane
Concen: 22.139 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2





#43

Isopropyl Acetate

Concen: 22.008 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

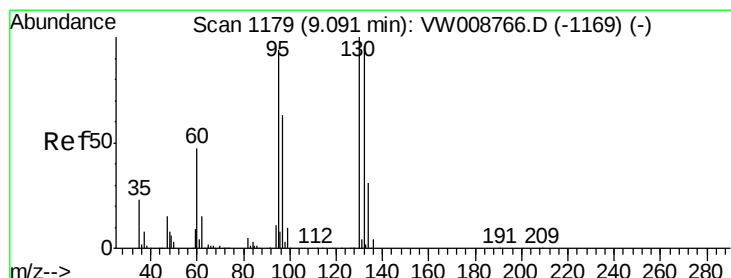
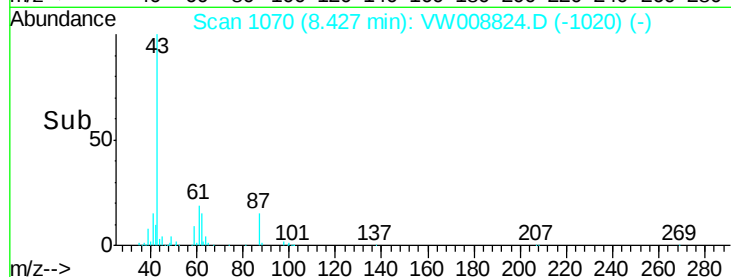
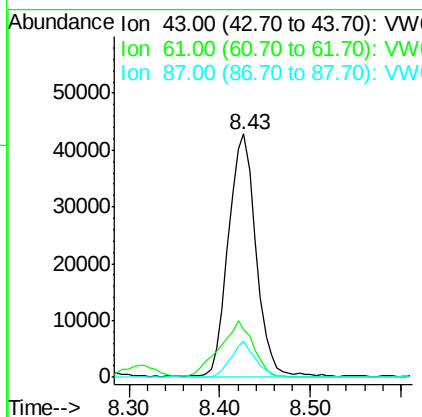
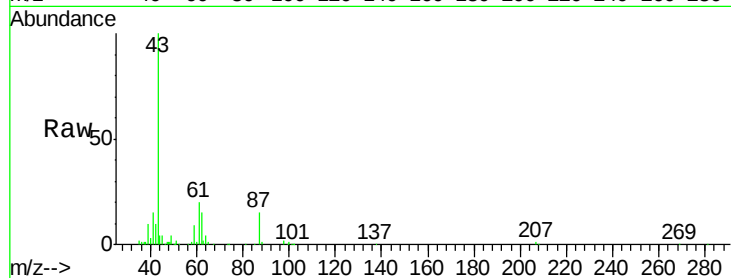
ClientSampleId :

VW0226SBS01

Tot Ion:	43	Resp:	90192
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.2	34.8
87	13.3	9.9	14.9

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#44

Trichloroethene

Concen: 22.158 ug/l

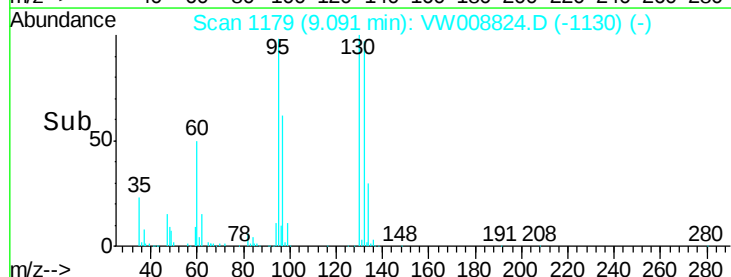
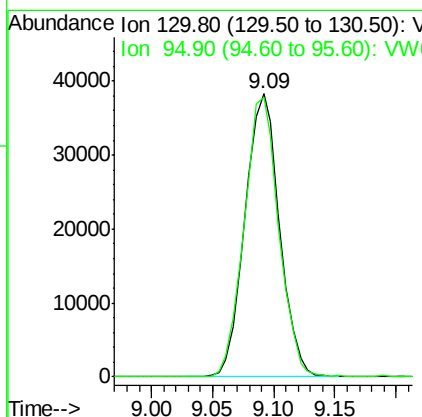
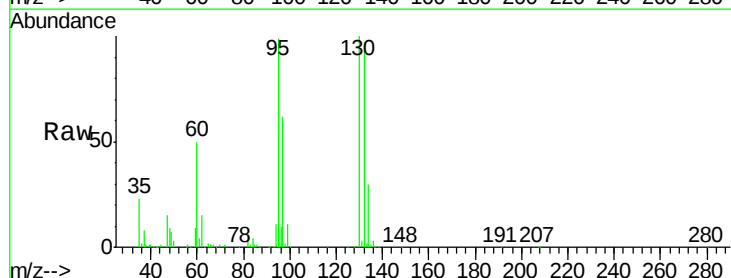
RT: 9.09 min Scan# 1179

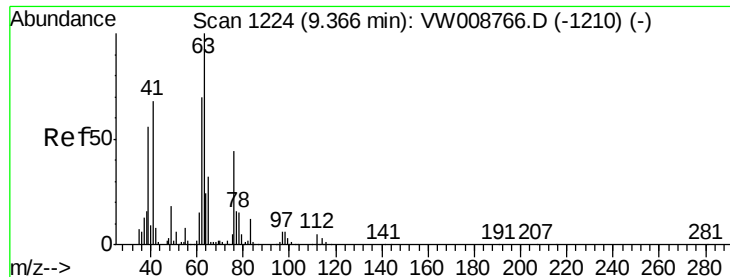
Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Tgt Ion:	130	Resp:	75253
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	188.6





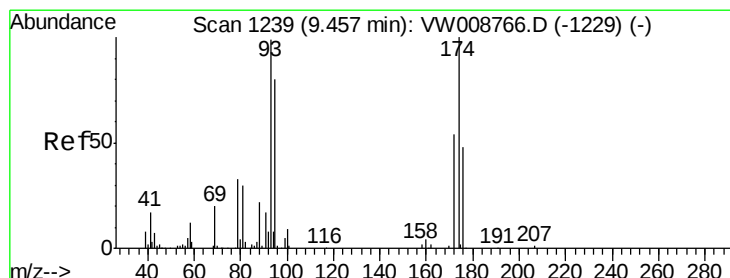
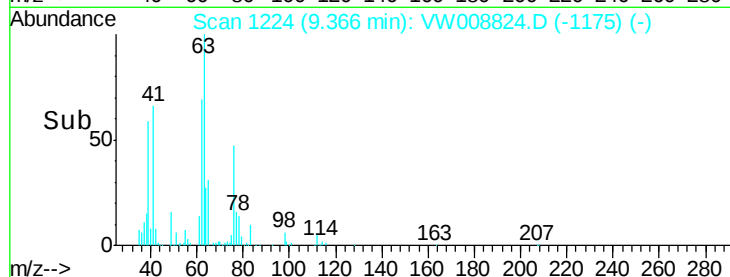
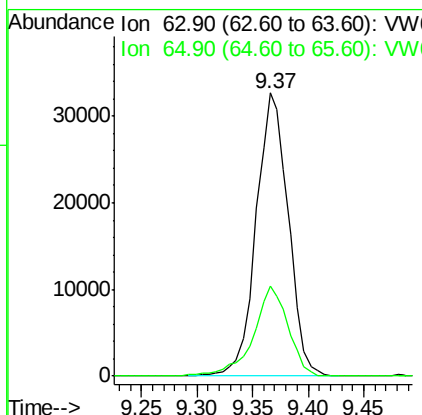
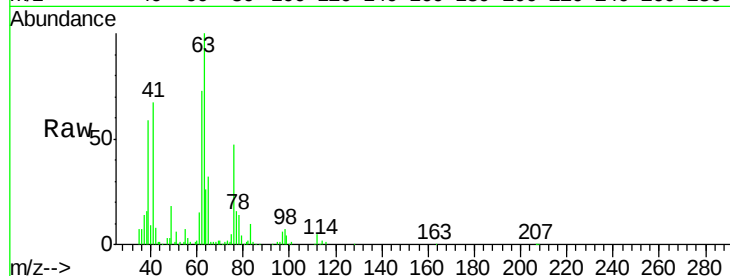
#45
 1,2-Dichloropropane
 Concen: 22.078 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3

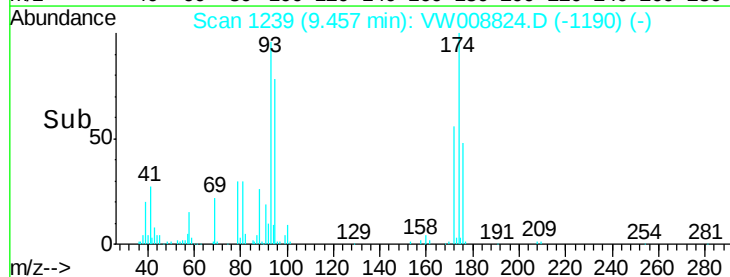
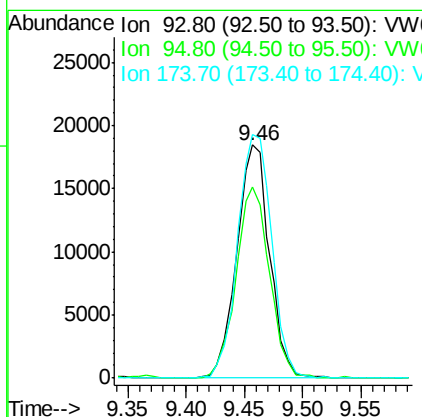
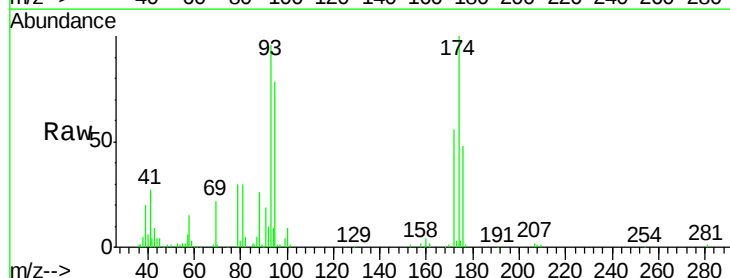
Manual Integrations
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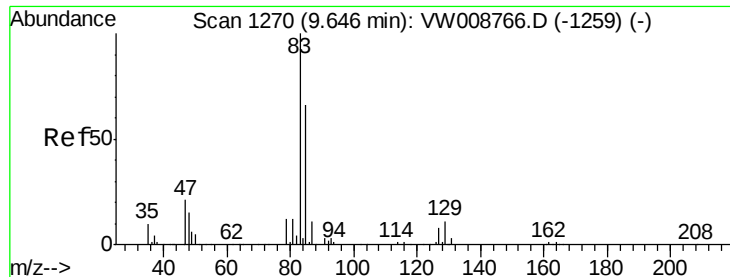
MMDadoda
 2/27/2019 5:20:45 PM



#46
 Dibromomethane
 Concen: 21.805 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.7	101.5
174	109.2	86.7	130.1





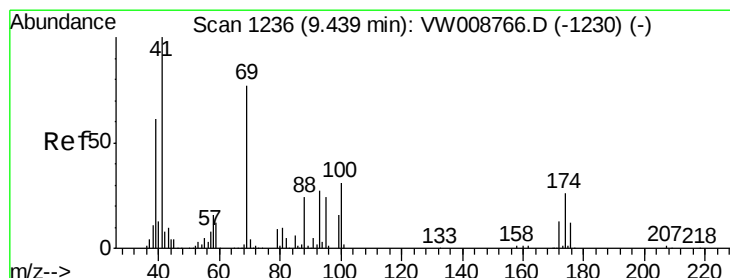
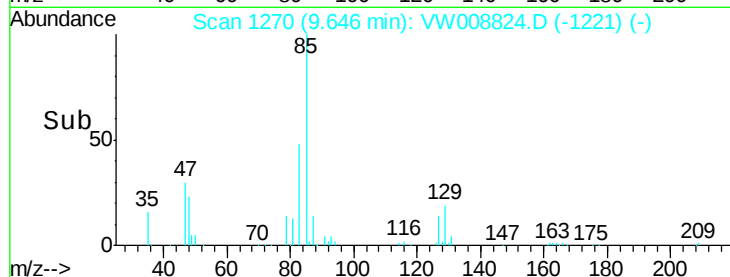
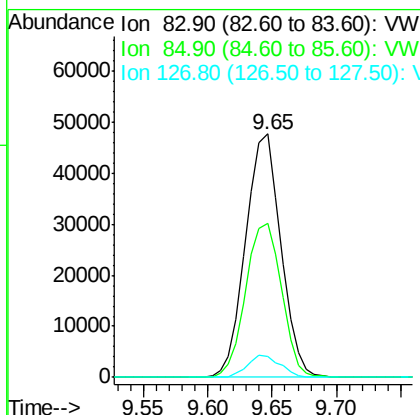
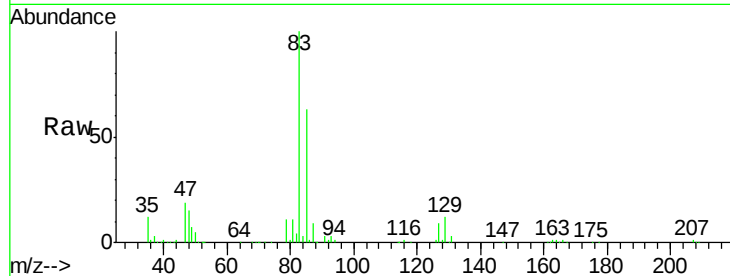
#47
Bromodichloromethane
Concen: 22.424 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	83	Resp	90410
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	52.5	78.7
127	8.6	6.7	10.1

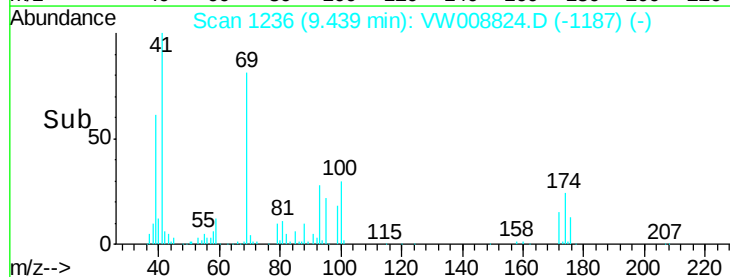
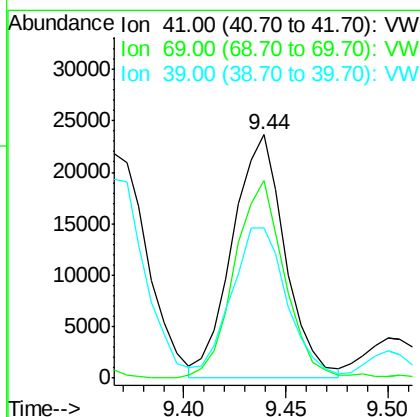
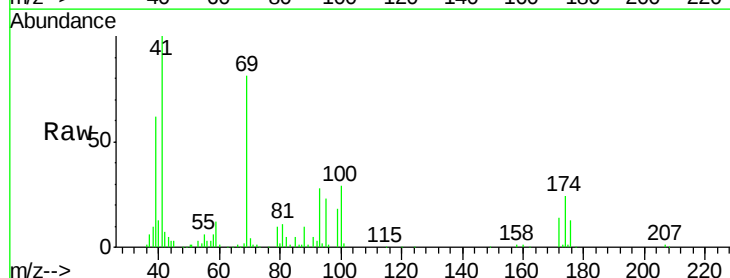
Manual Integrations
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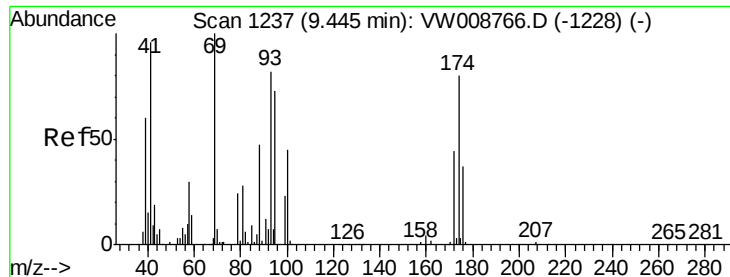
MMDadoda
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#48
Methyl methacrylate
Concen: 21.426 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	41	Resp	42054
Ion Ratio	100	Lower	Upper
41	100		
69	78.1	63.6	95.4
39	62.6	52.1	78.1





#49

1,4-Dioxane

Concen: 383.007 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

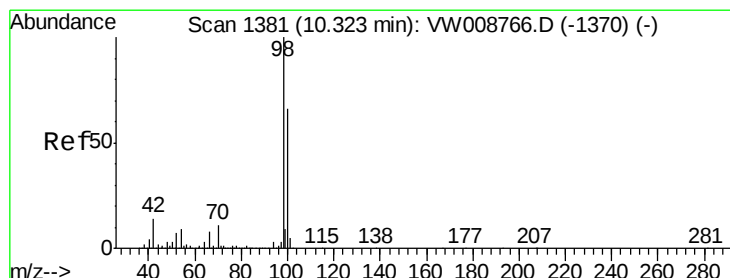
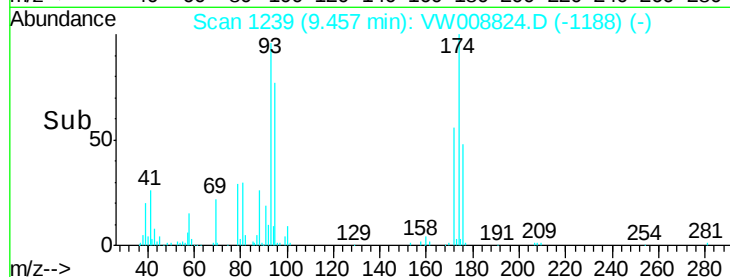
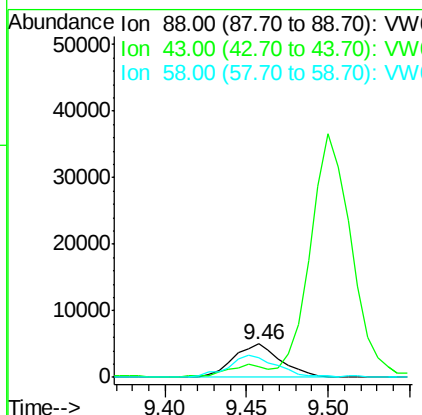
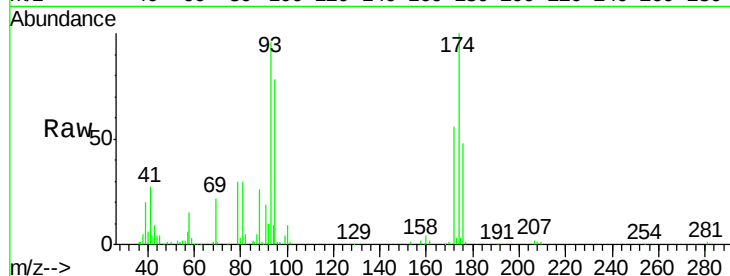
ClientSampleId :

VW0226SBS01

Tot Ion:	88	Resp:	10164
Ion Ratio	Lower	Upper	
88	100		
43	29.8	29.0	43.4
58	72.0	52.0	78.0

Manual Integrations
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#50

Toluene-d8

Concen: 53.511 ug/l

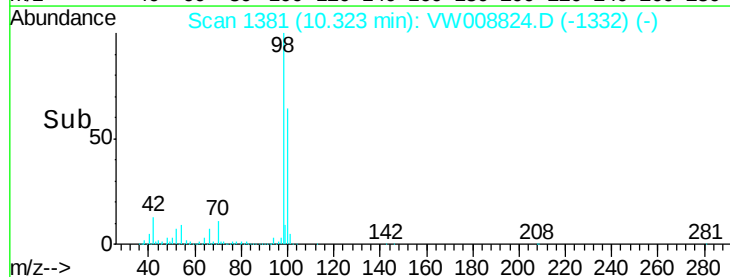
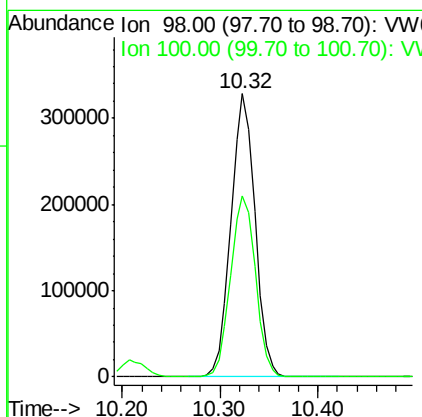
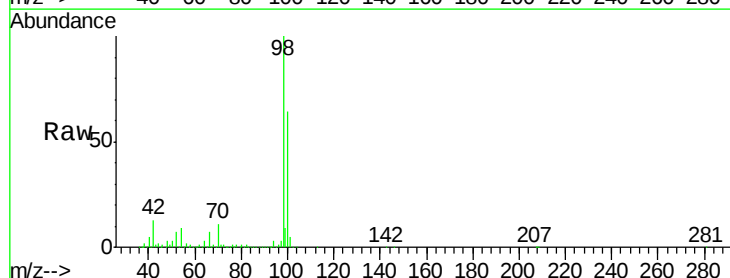
RT: 10.32 min Scan# 1381

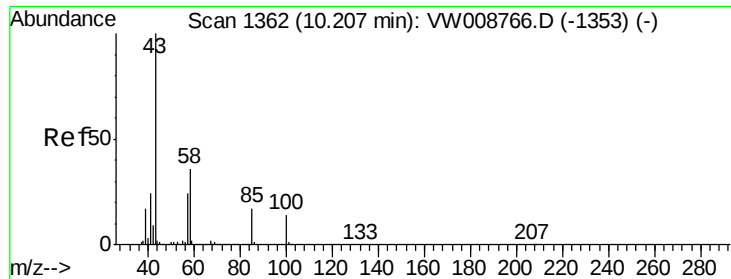
Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Tgt Ion:	98	Resp:	562588
Ion Ratio	Lower	Upper	
98	100		
100	66.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 105.885 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 43 Resp: 220303

Ion Ratio Lower Upper

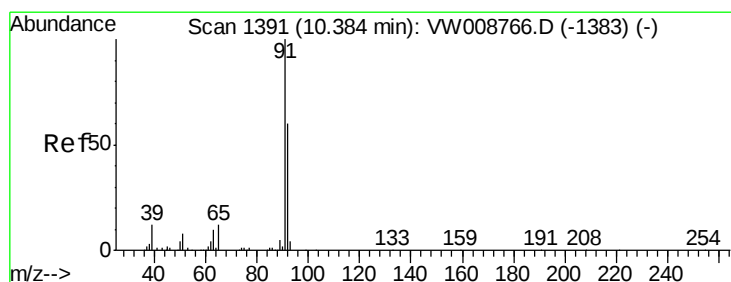
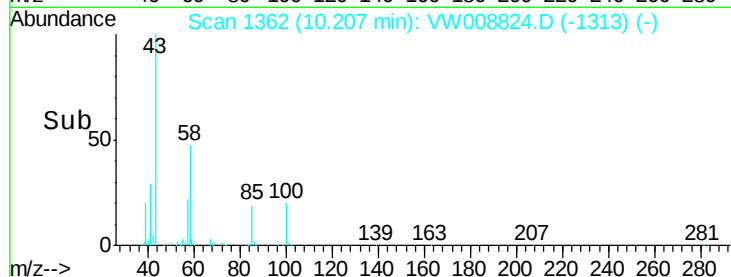
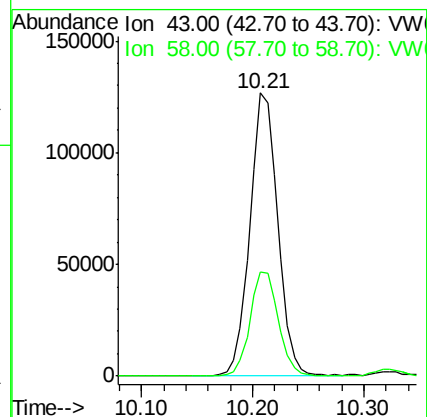
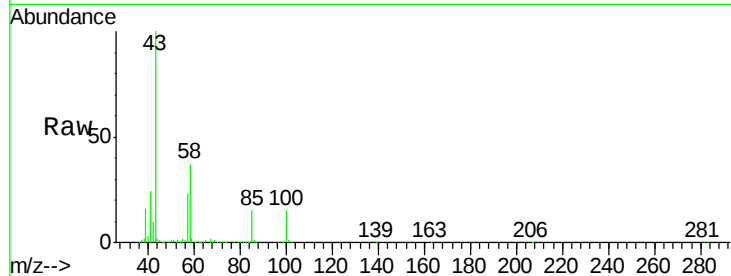
43 100

58 37.5 29.1 43.7

Manual Integrations
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#52

Toluene

Concen: 21.026 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008824.D

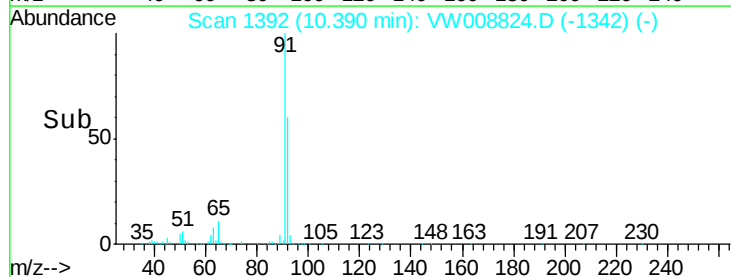
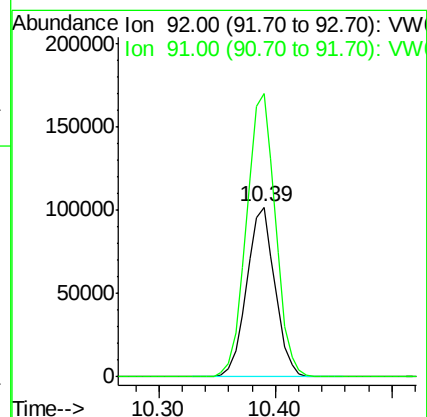
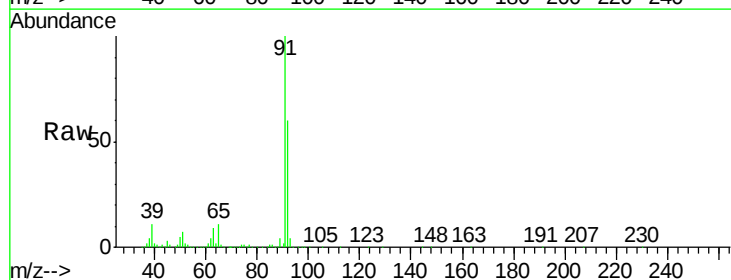
Acq: 26 Feb 2019 12:21

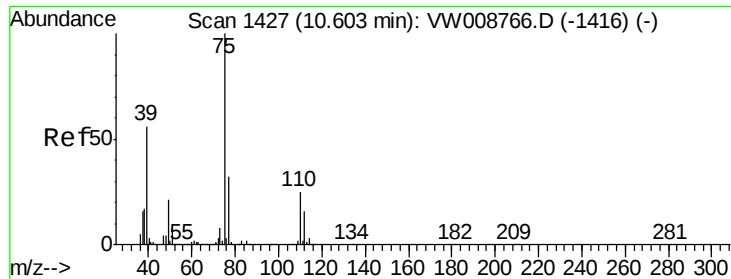
Tgt Ion: 92 Resp: 172037

Ion Ratio Lower Upper

92 100

91 171.9 136.9 205.3





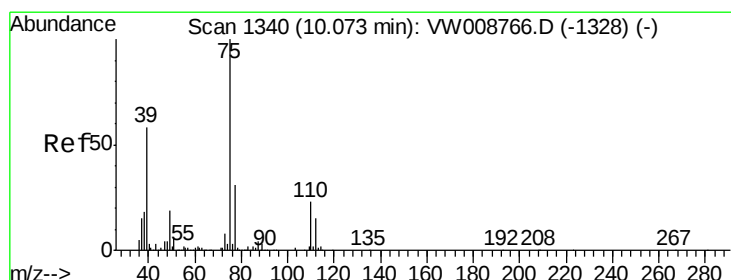
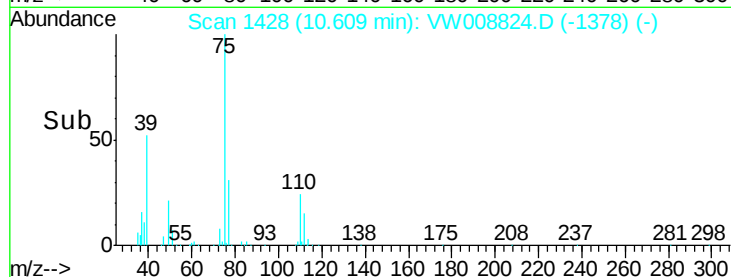
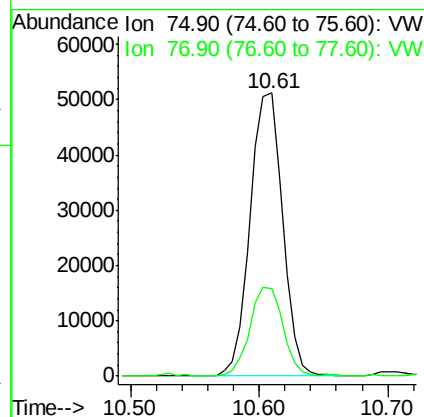
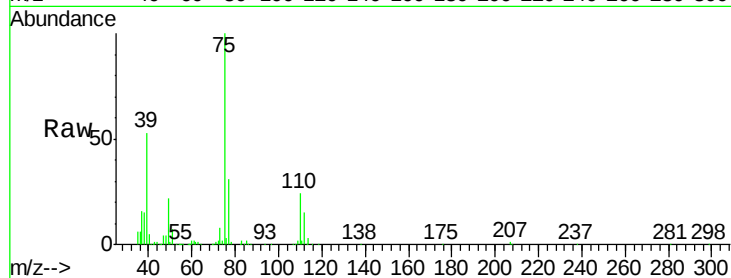
#53
t-1,3-Dichloropropene
Concen: 21.696 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.1	39.1

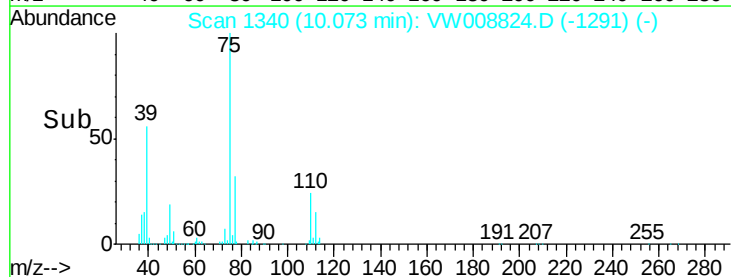
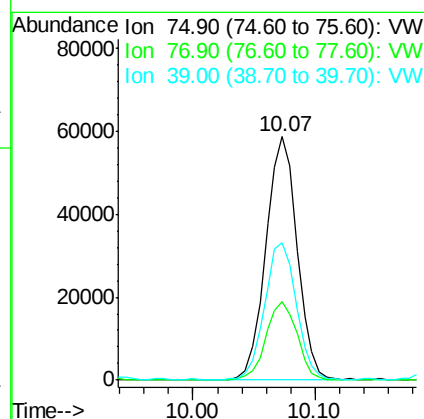
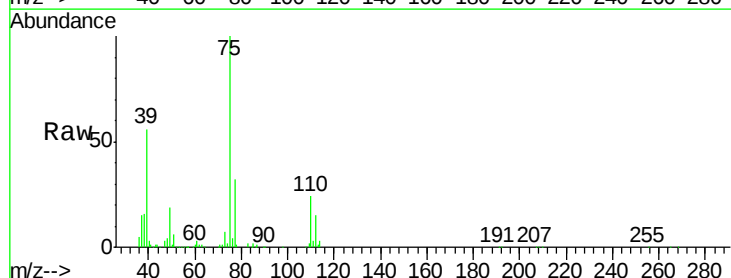
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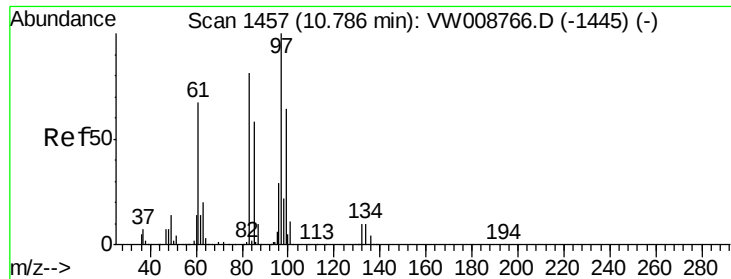
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#54
cis-1,3-Dichloropropene
Concen: 22.299 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4
39	55.9	46.6	70.0





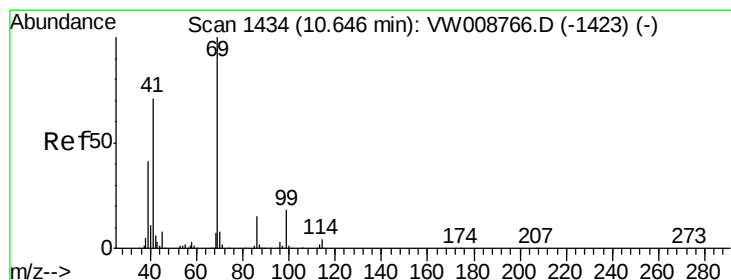
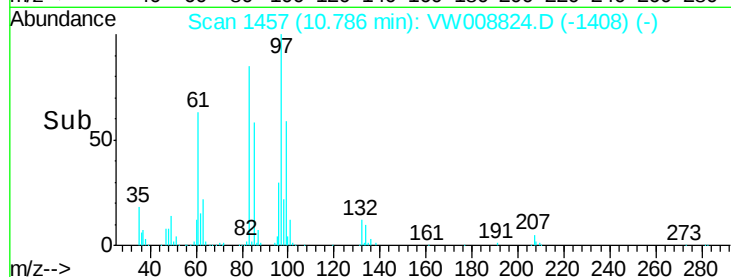
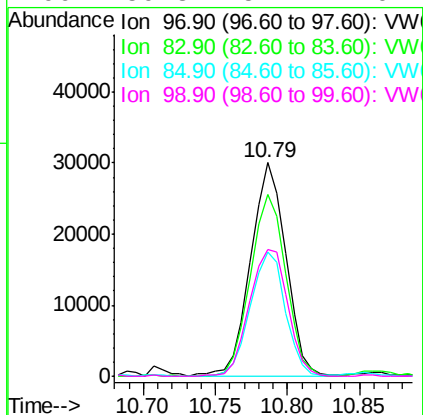
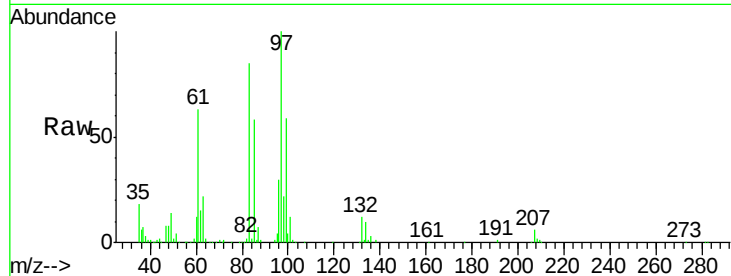
#55
 1,1,2-Trichloroethane
 Concen: 22.626 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion:	97	Resp:	50849
Ion	Ratio	Lower	Upper
97	100		
83	85.2	65.0	97.6
85	58.1	46.0	69.0
99	59.3	51.1	76.7

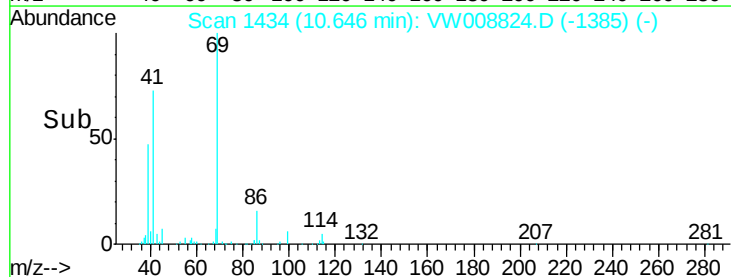
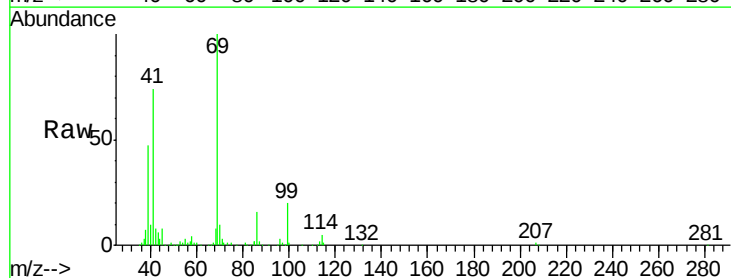
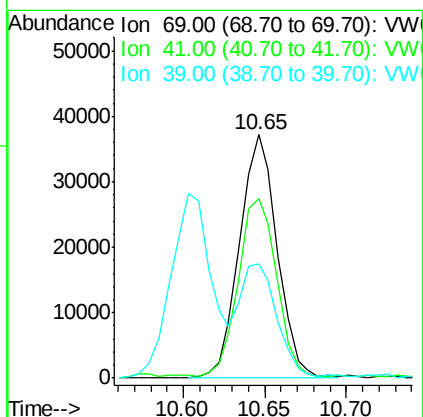
Manual Integrations
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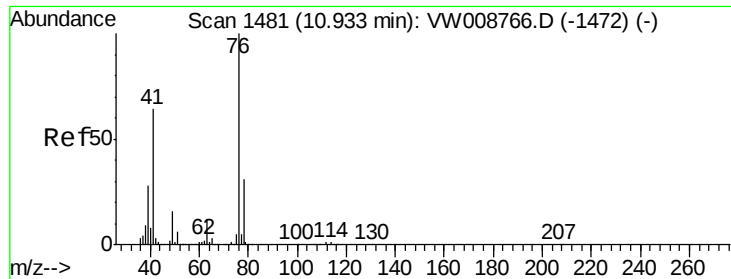
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 2/27/2019 5:20:45 PM



#56
 Ethyl methacrylate
 Concen: 20.504 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion:	69	Resp:	59868
Ion	Ratio	Lower	Upper
69	100		
41	74.5	57.4	86.0
39	45.6	34.8	52.2





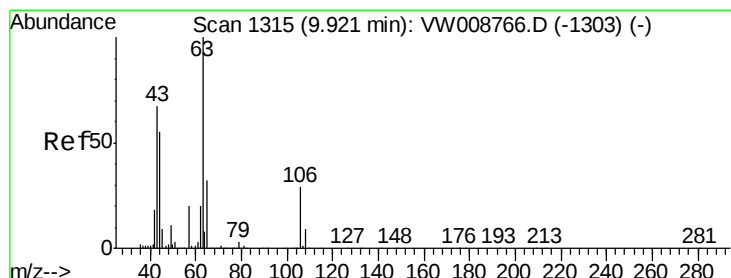
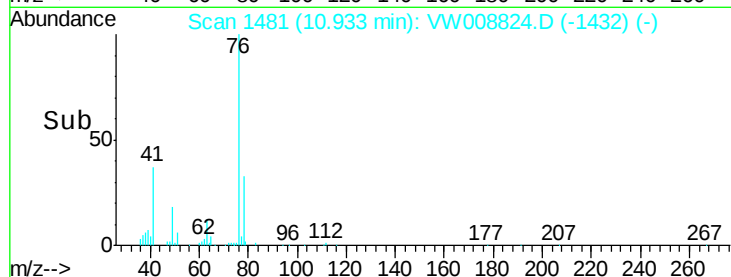
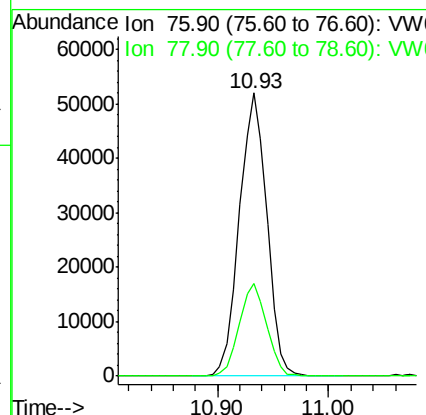
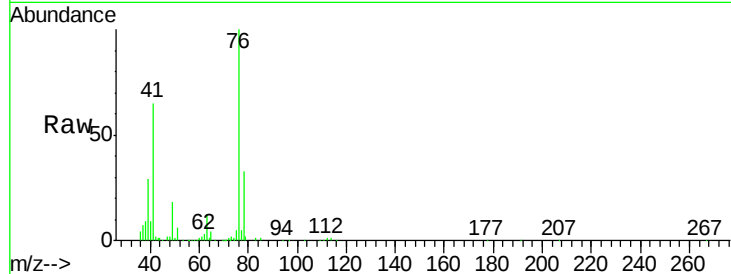
#57
 1,3-Dichloropropane
 Concen: 22.354 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBSD01

Tot Ion: 76 Resp: 88699
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

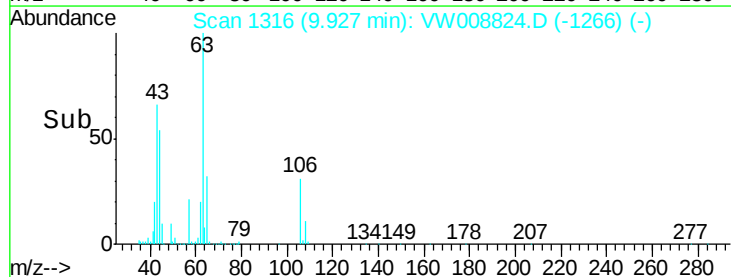
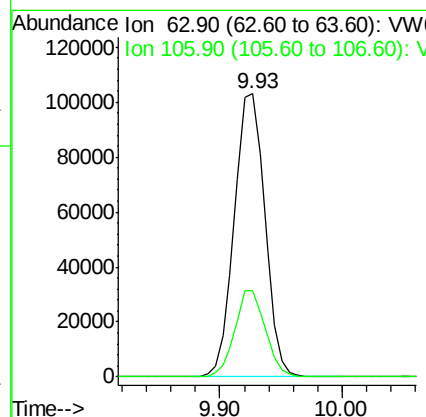
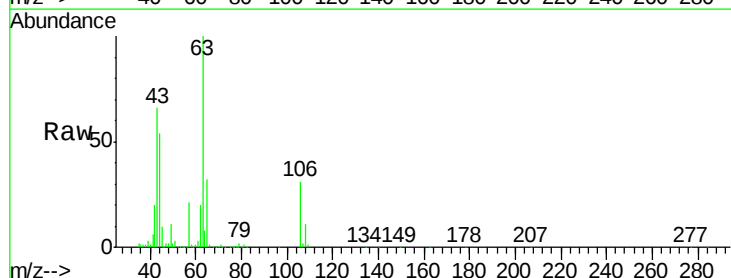
Manual Integrations
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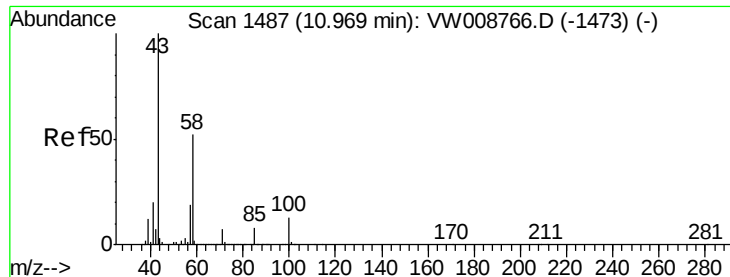
MMDadoda
 2/27/2019 5:20:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.109 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion: 63 Resp: 179314
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.0 36.0





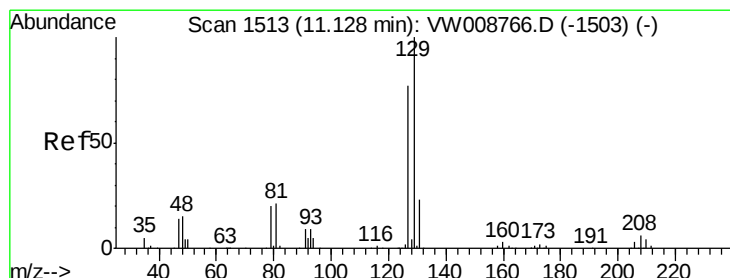
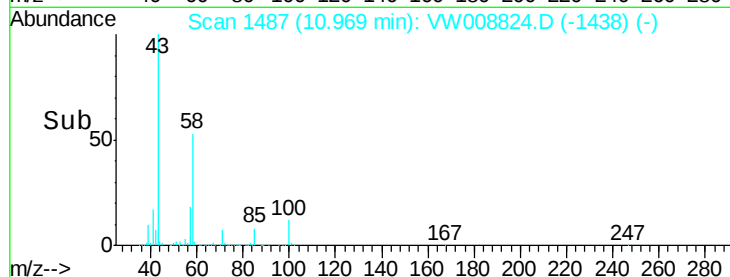
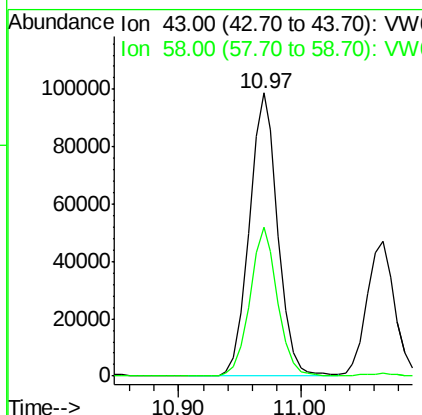
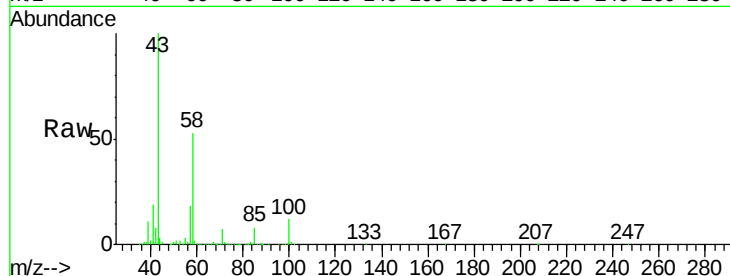
#59
2-Hexanone
Concen: 107.981 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBSD01

Tot Ion: 43 Resp: 159924
Ion Ratio Lower Upper
43 100
58 50.8 25.3 75.8

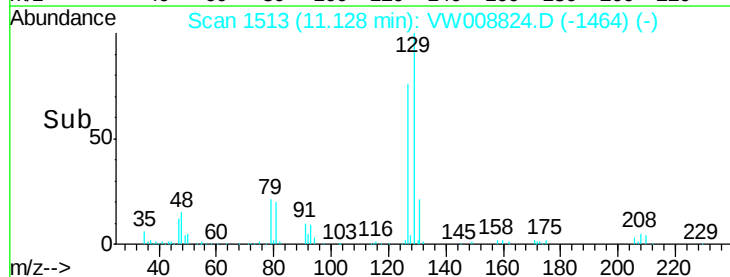
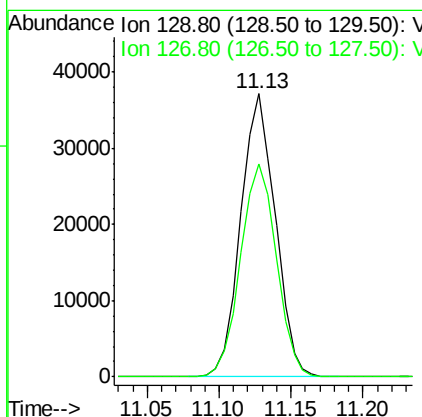
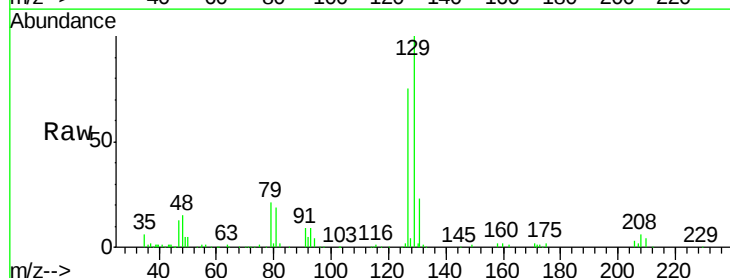
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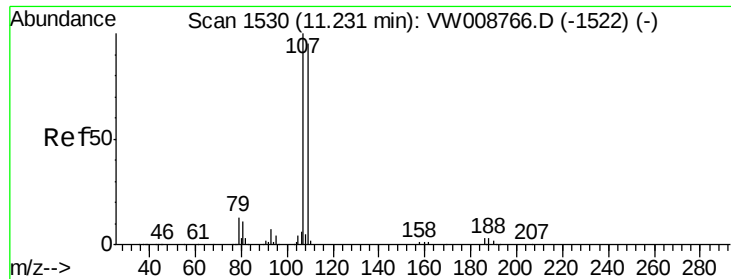
MMDadoda
2/27/2019 5:20:45 PM



#60
Dibromochloromethane
Concen: 22.530 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion: 129 Resp: 61758
Ion Ratio Lower Upper
129 100
127 78.3 39.0 116.9





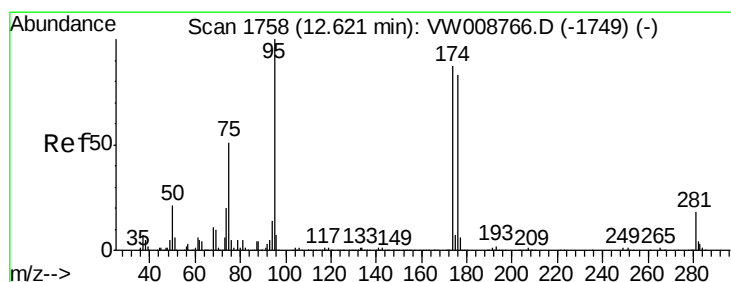
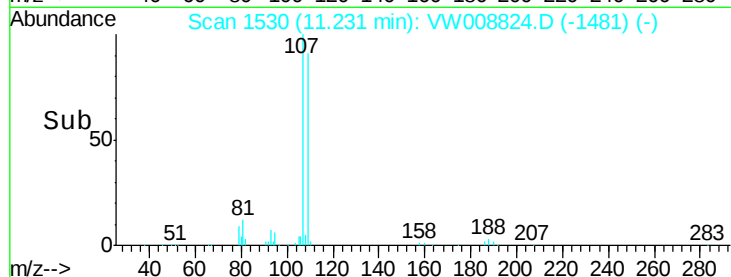
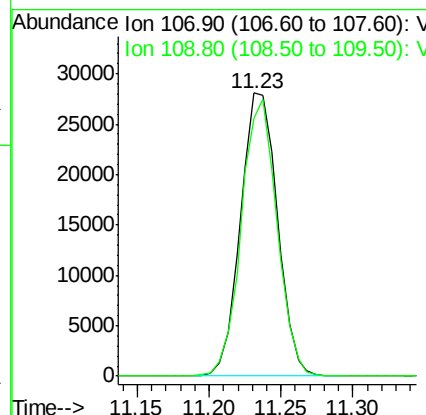
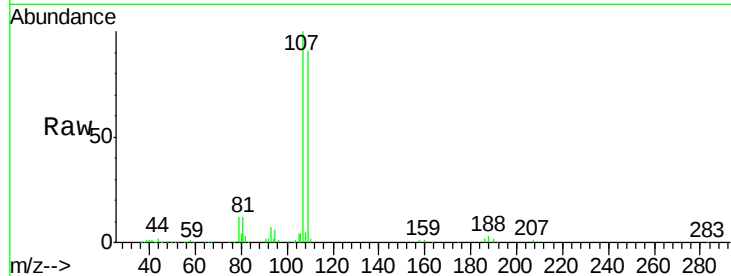
#61
 1,2-Dibromoethane
 Concen: 22.440 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.6	113.4

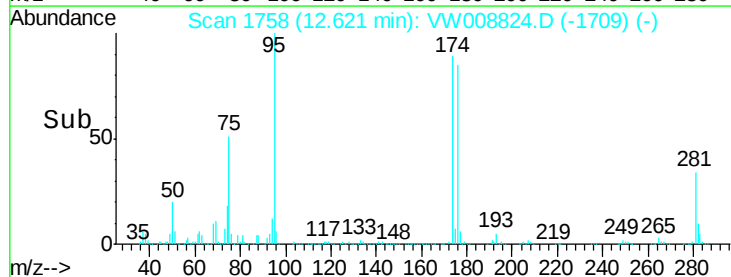
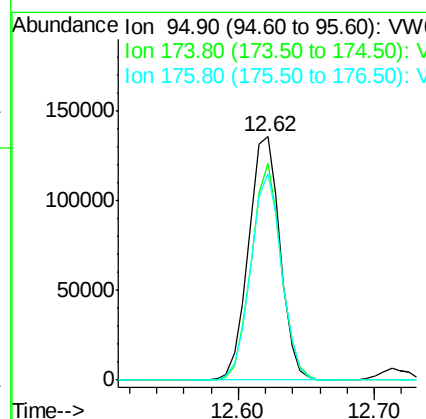
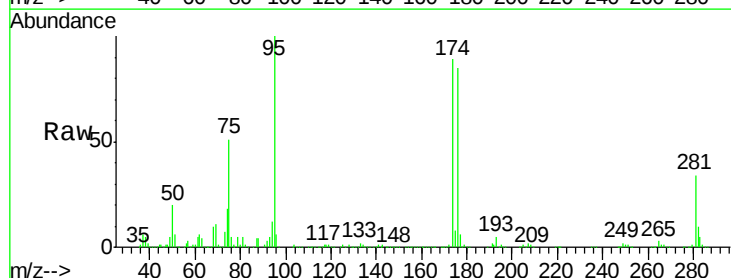
Manual Integrations
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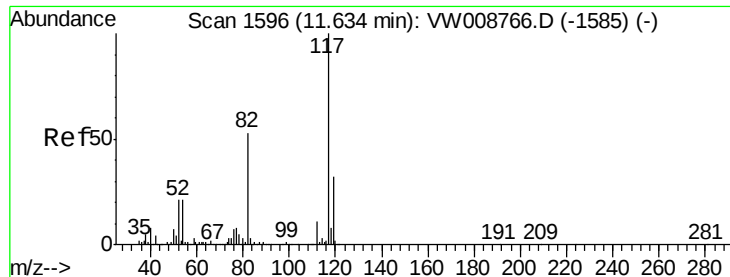
MMDadoda
 2/27/2019 5:20:45 PM



#62
 4-Bromofluorobenzene
 Concen: 53.428 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	169.2
176	83.3	0.0	163.6





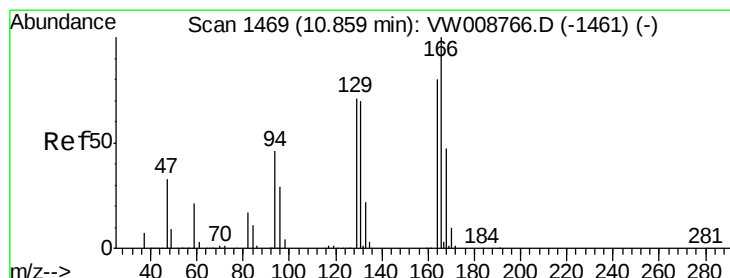
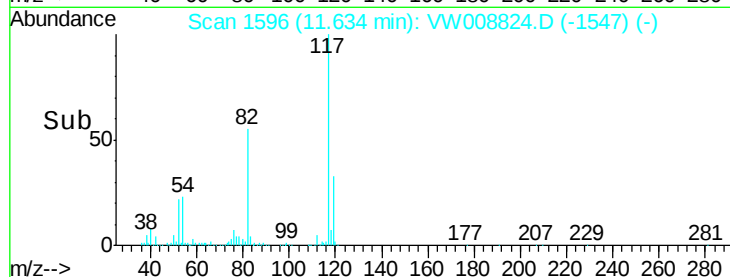
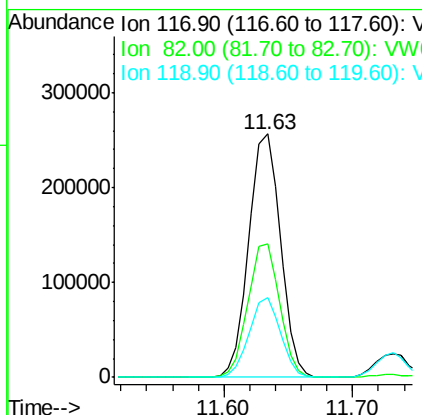
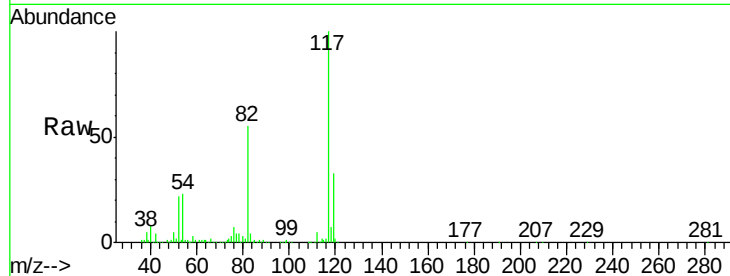
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.2	63.4
119	32.5	25.9	38.9

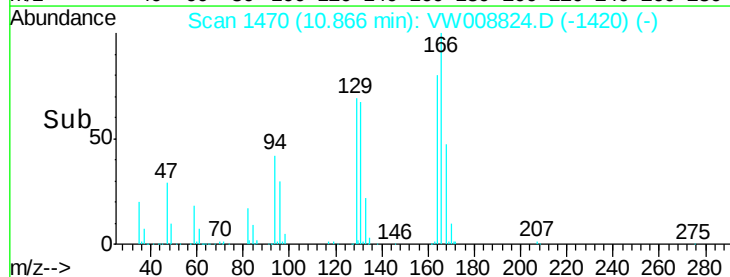
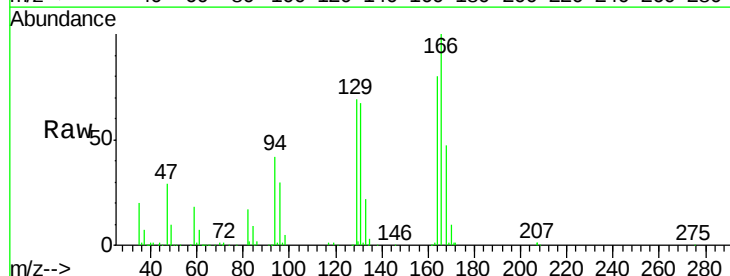
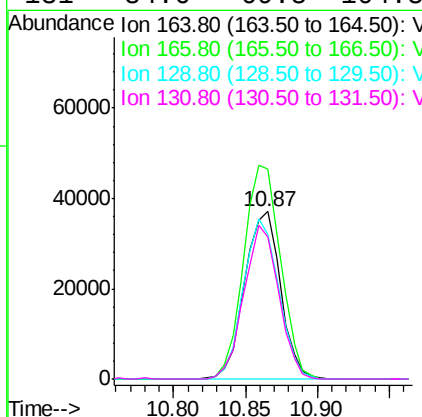
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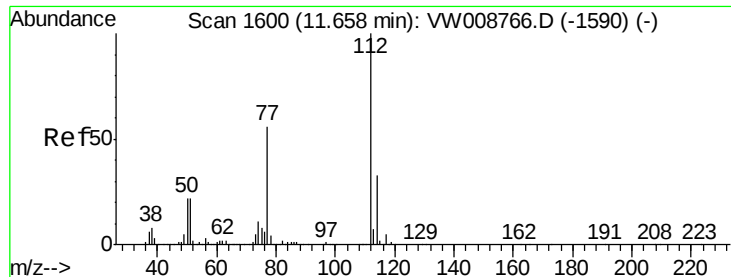
MMDadoda
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#64
Tetrachloroethene
Concen: 20.378 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	99.5	149.3
129	86.6	71.1	106.7
131	84.6	69.8	104.8





#65

Chlorobenzene

Concen: 21.051 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion:112 Resp: 193466

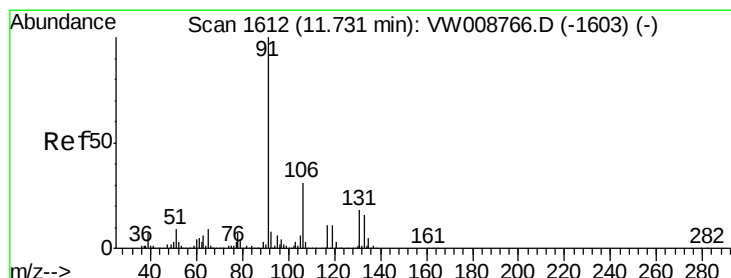
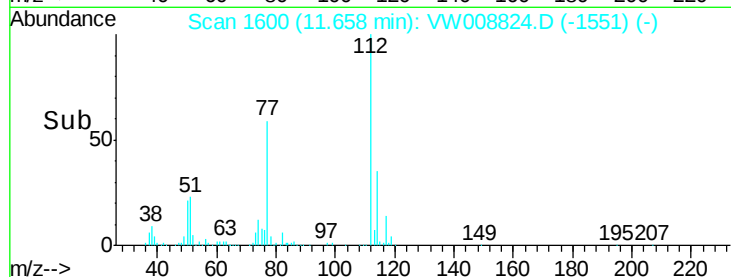
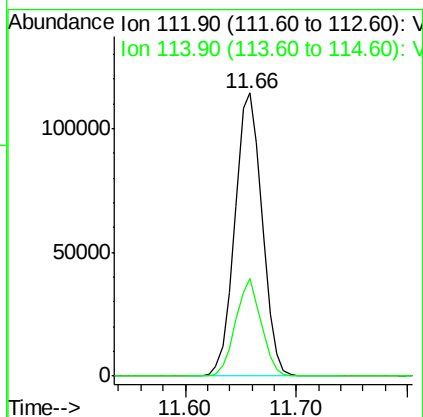
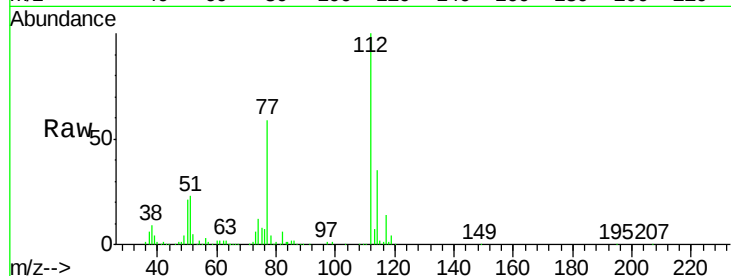
Ion Ratio Lower Upper

112 100

114 34.5 26.6 40.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.514 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

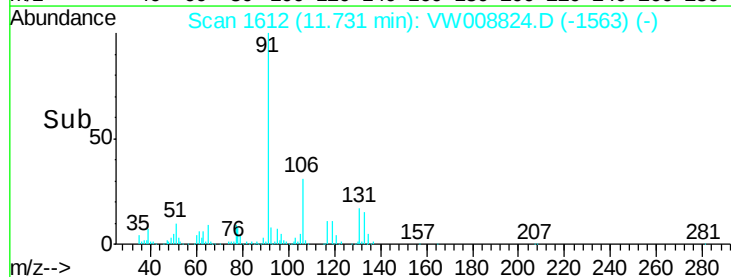
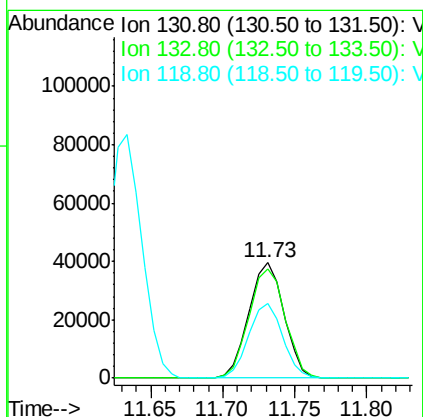
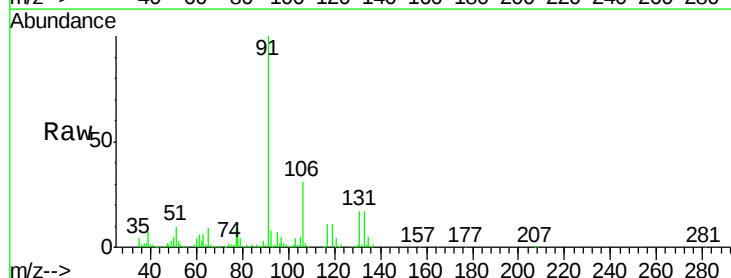
Tgt Ion:131 Resp: 66857

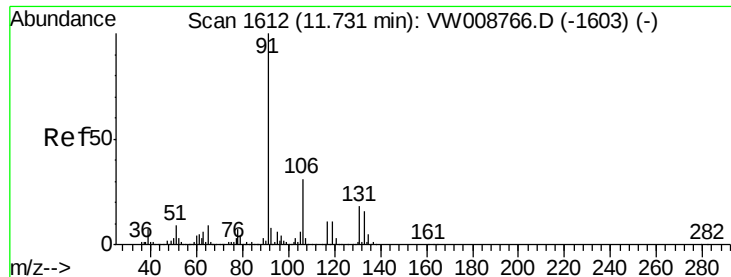
Ion Ratio Lower Upper

131 100

133 97.6 46.7 140.0

119 62.6 30.8 92.4





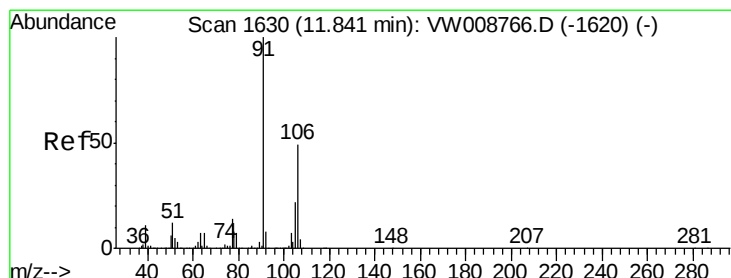
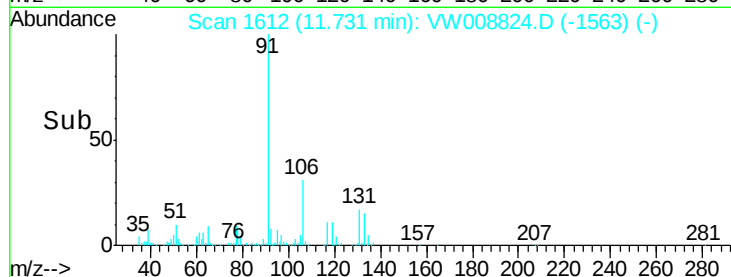
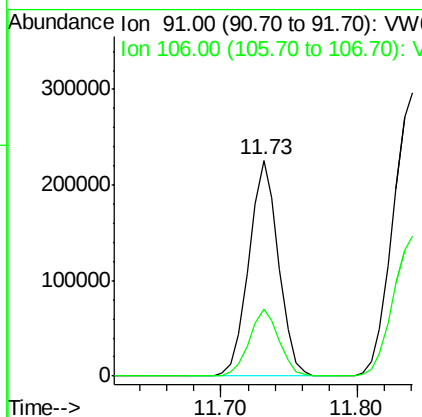
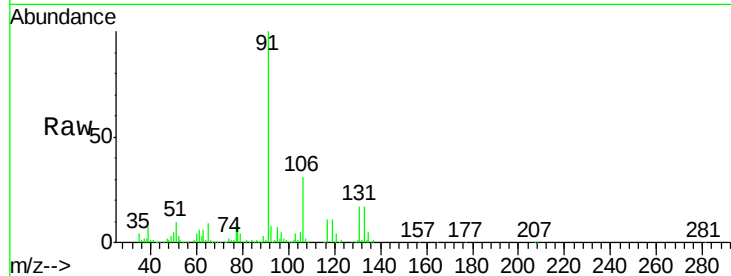
#67
Ethyl Benzene
Concen: 20.957 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion: 91 Resp: 344307
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6

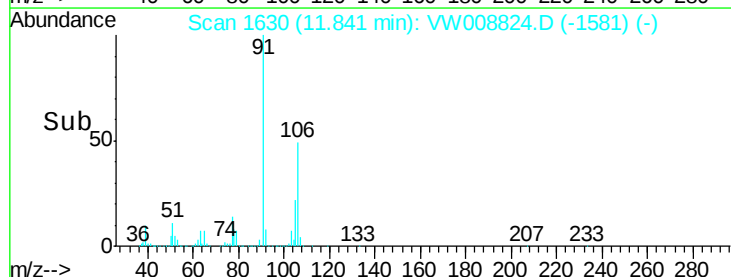
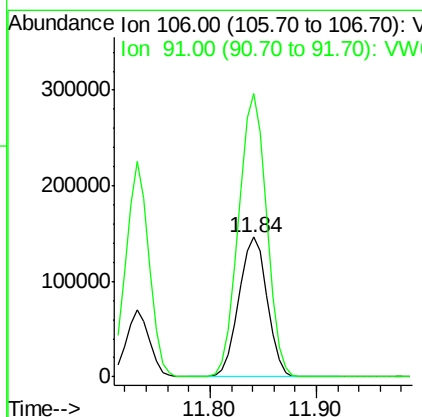
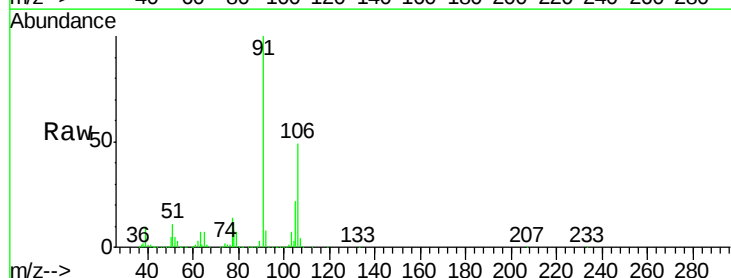
Manual Integrations
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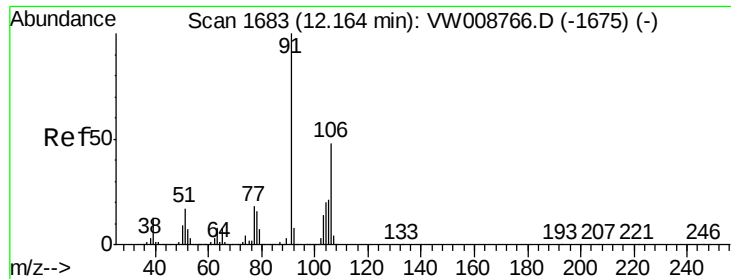
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#68
m/p-Xylenes
Concen: 41.691 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion: 106 Resp: 273679
Ion Ratio Lower Upper
106 100
91 200.6 161.5 242.3





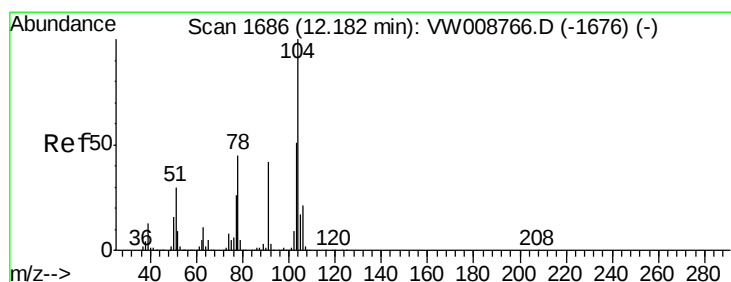
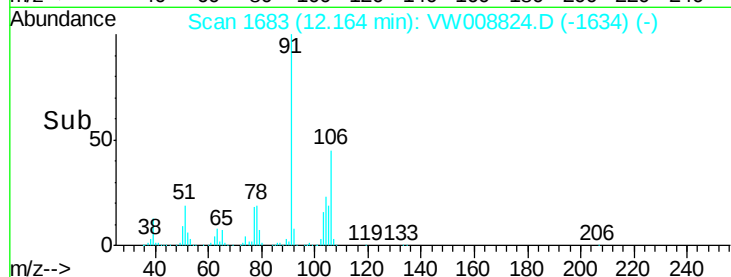
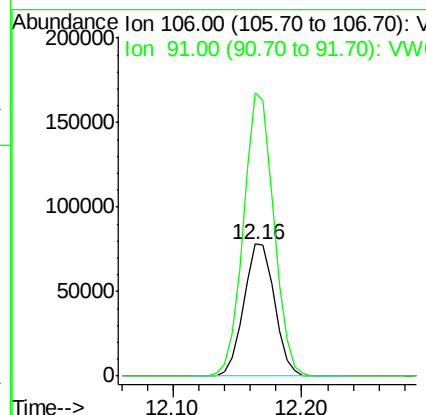
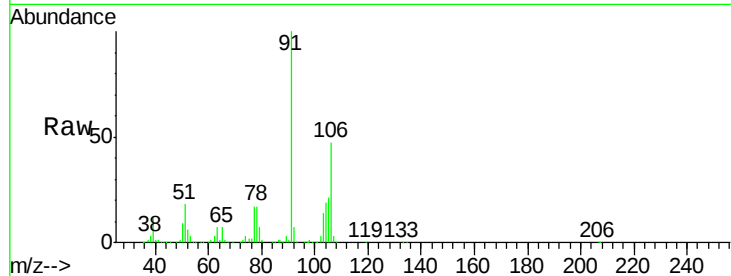
#69
o-Xylene
Concen: 20.905 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		128805		
91	210.6	106.2	318.6		

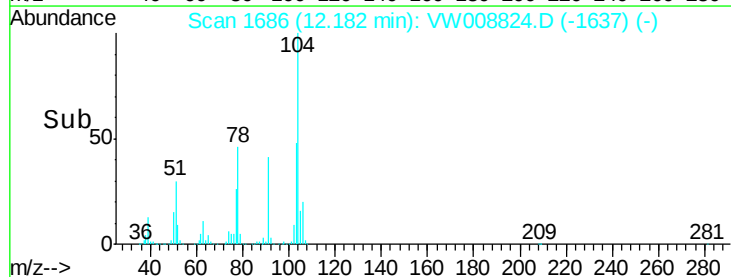
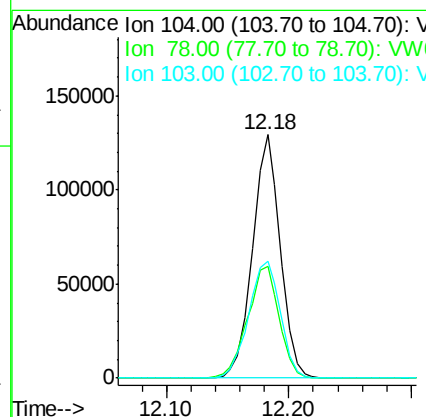
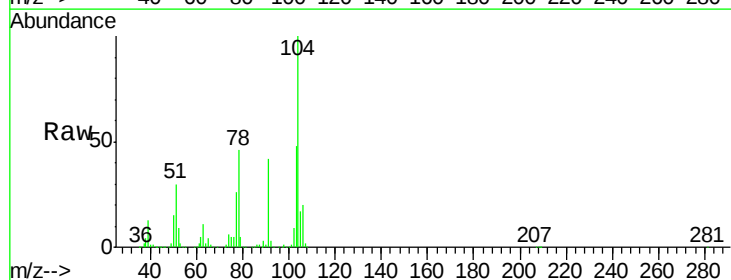
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#70
Styrene
Concen: 20.595 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		204153		
78	52.2	40.8	61.2		
103	55.3	44.2	66.2		





#71

Bromoform

Concen: 22.434 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

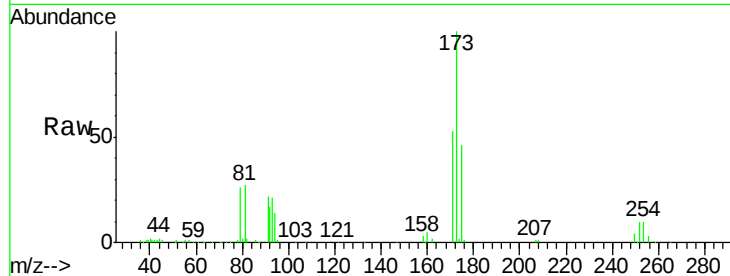
ClientSampleId :

VW0226SBS01

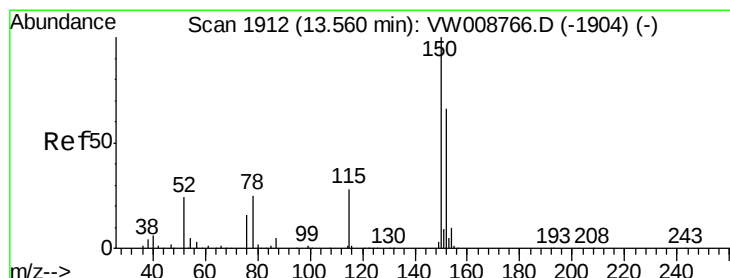
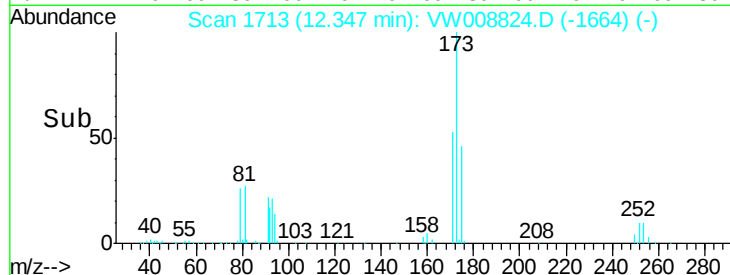
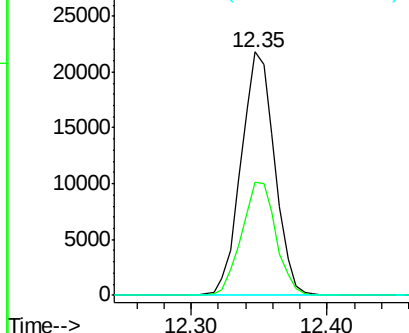
Tot Ion:173	Resp:	37474
Ion Ratio	Lower	Upper
173 100		
175 47.6	24.2	72.6
254 0.0	0.2	0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

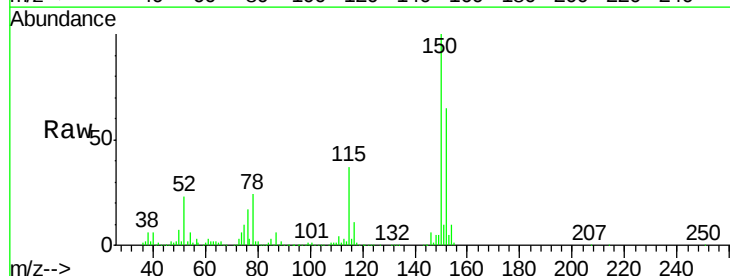
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

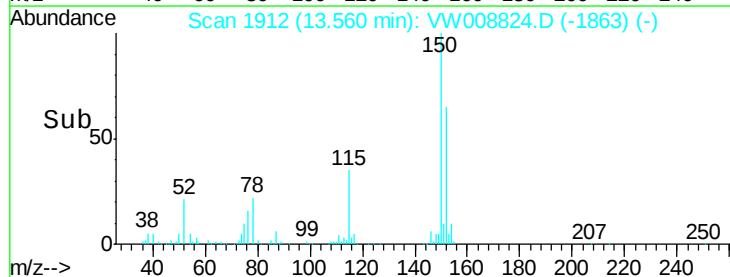
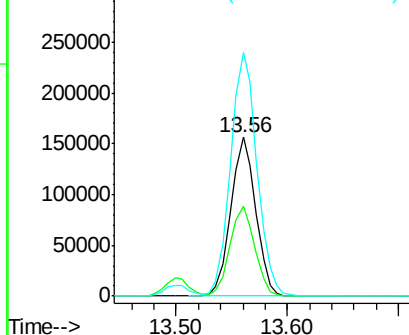
Lab File: VW008824.D

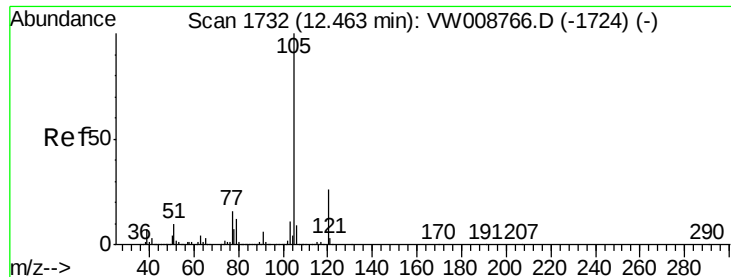
Acq: 26 Feb 2019 12:21

Tgt Ion:152	Resp:	240984
Ion Ratio	Lower	Upper
152 100		
115 56.5	28.6	85.8
150 162.9	0.0	348.0



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





#73

Isopropylbenzene

Concen: 20.953 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion: 105 Resp: 346148

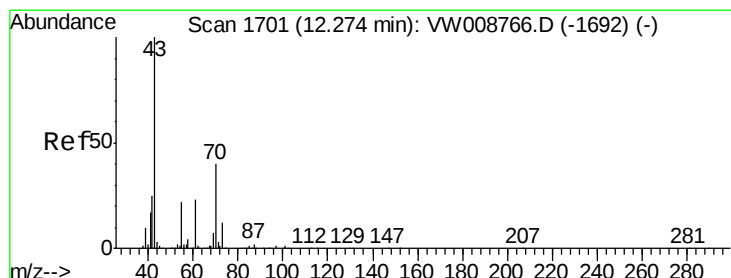
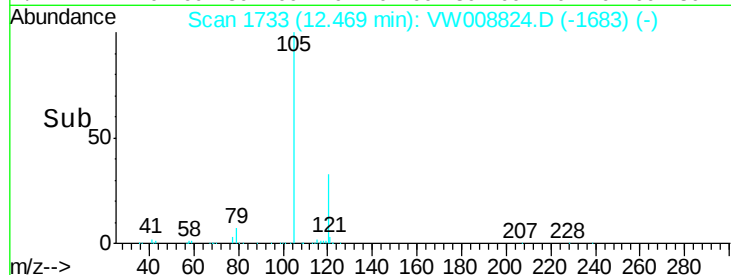
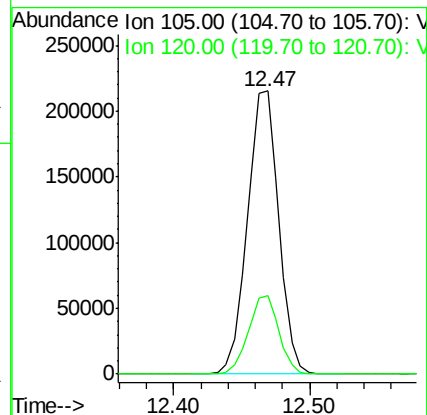
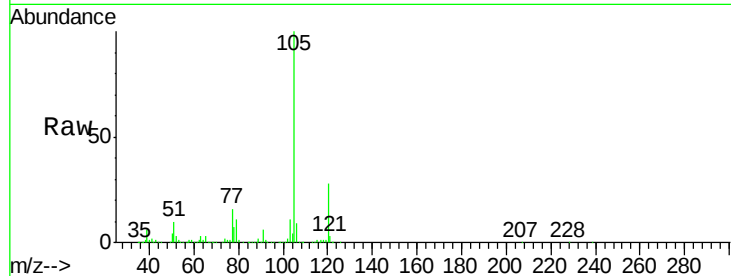
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9

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#74

N-ethyl acetate

Concen: 20.225 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Tgt Ion: 43 Resp: 84165

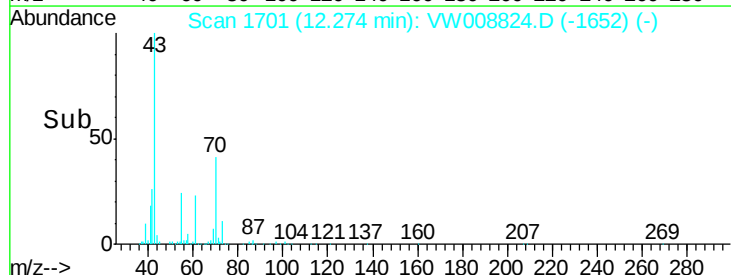
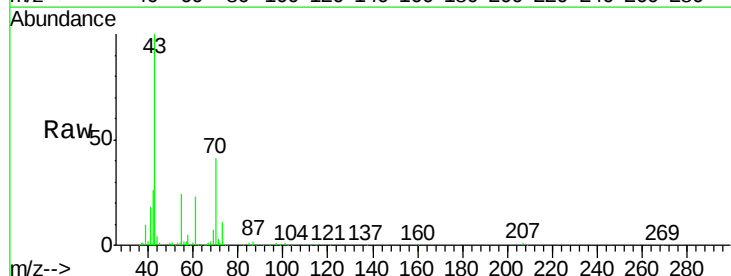
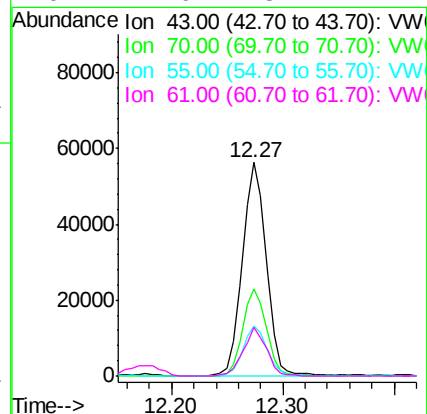
Ion Ratio Lower Upper

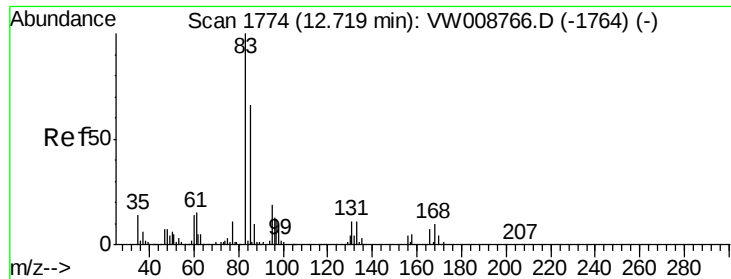
43 100

70 40.3 31.0 46.6

55 23.6 18.7 28.1

61 21.9 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.921 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

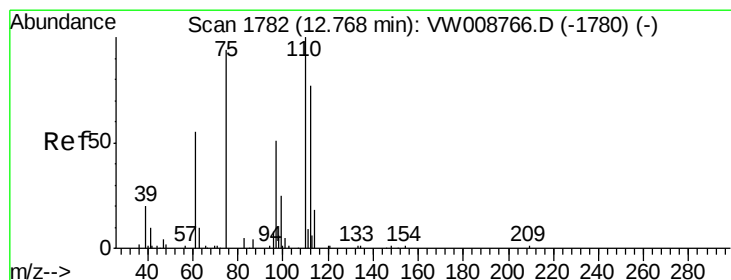
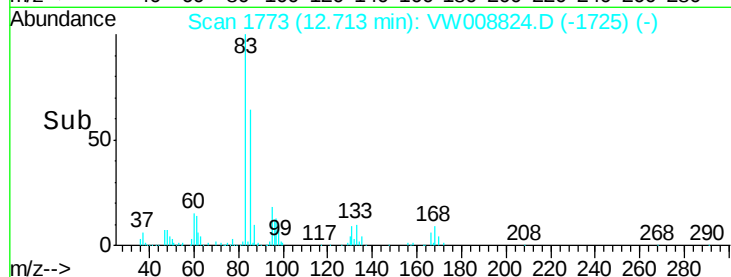
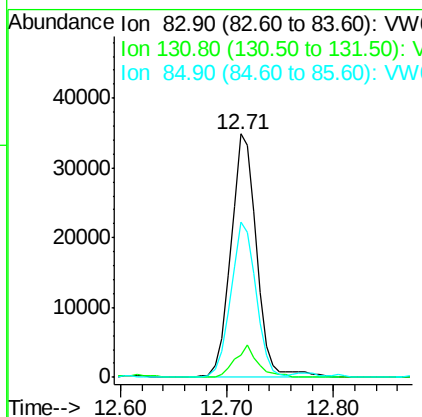
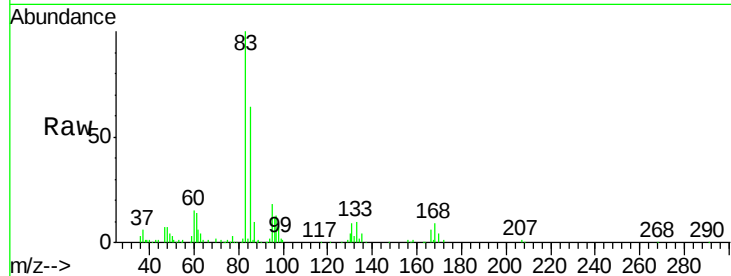
ClientSampleId :

VW0226SBSD01

Tot Ion:	83	Resp:	59172
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.5	16.7
85	62.3	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 20.802 ug/l m

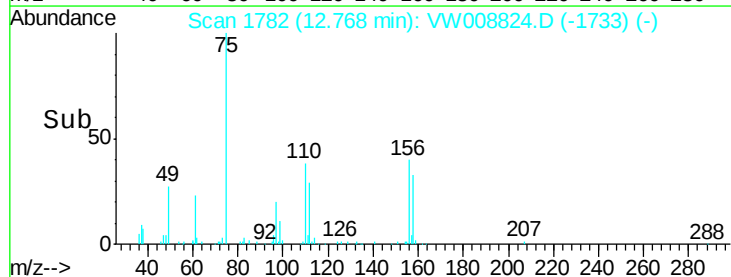
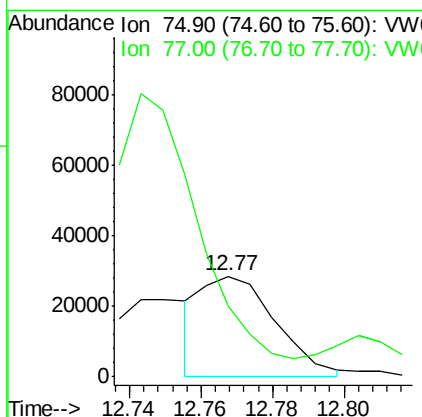
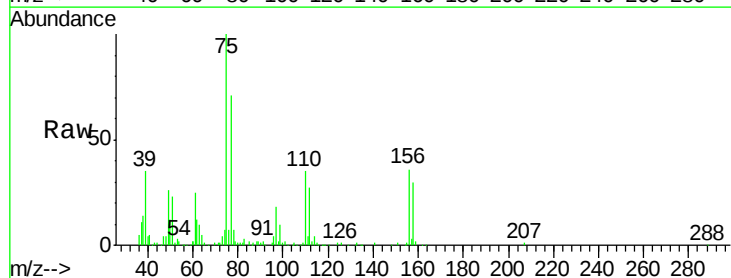
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Tgt Ion:	75	Resp:	41389
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.170 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion:156 Resp: 82645

Ion Ratio Lower Upper

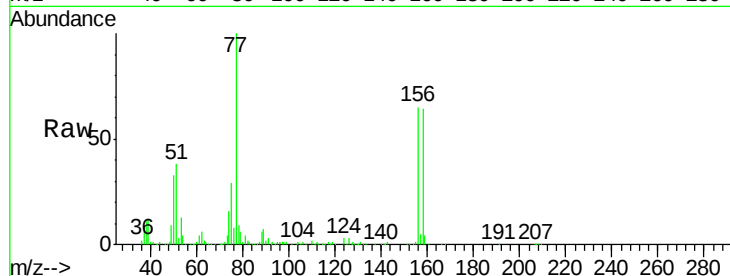
156 100

77 178.9 89.1 267.4

158 97.3 49.2 147.6

Manual Integrations
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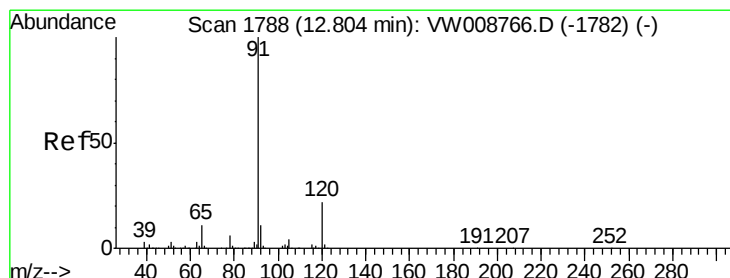
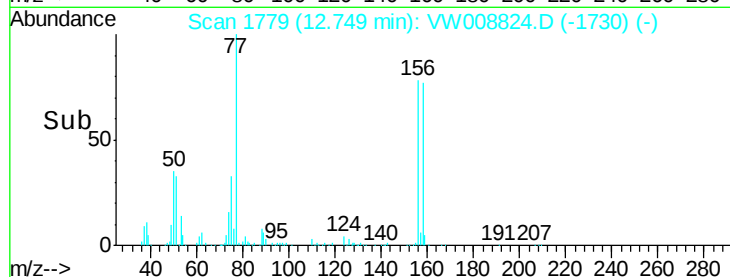
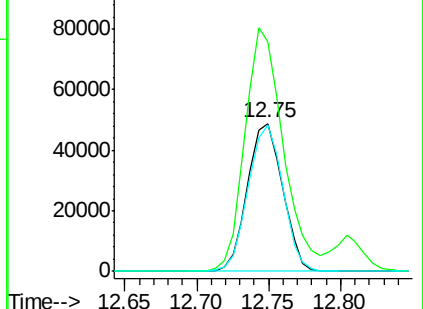
MMDadoda
2/27/2019 5:20:45 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.028 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008824.D

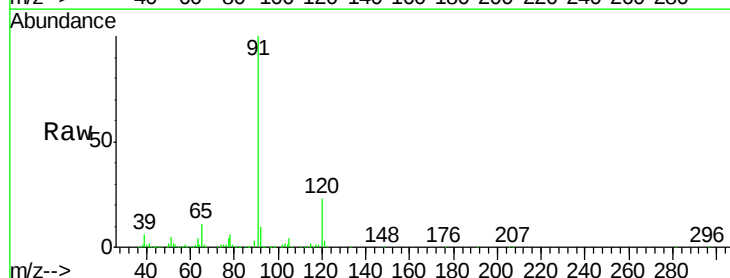
Acq: 26 Feb 2019 12:21

Tgt Ion: 91 Resp: 424941

Ion Ratio Lower Upper

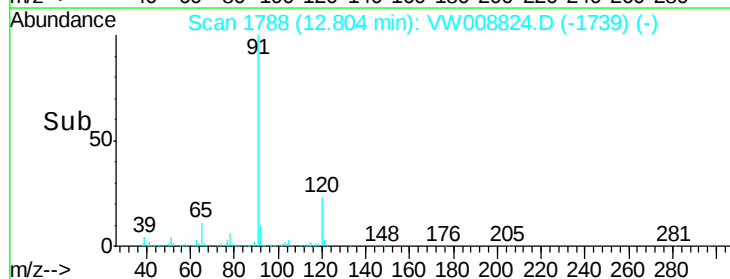
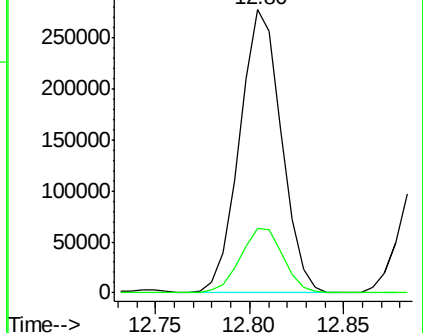
91 100

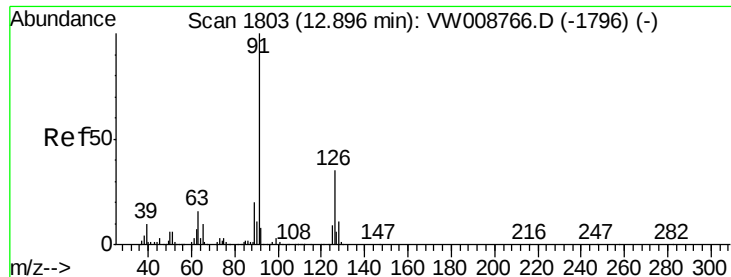
120 23.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





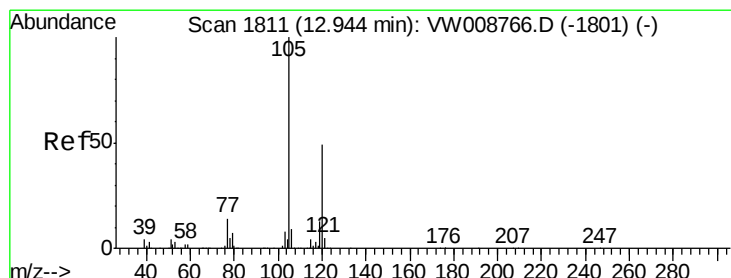
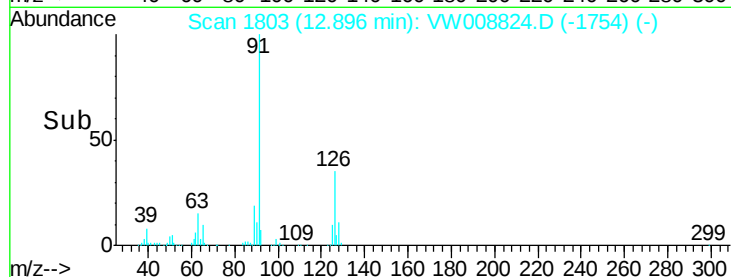
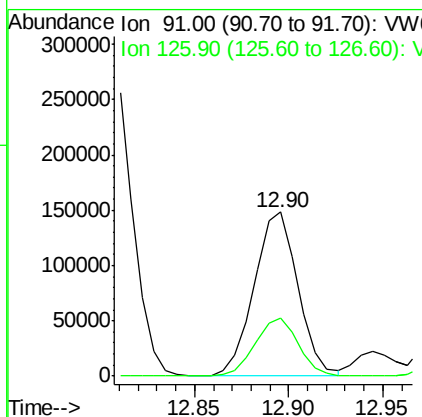
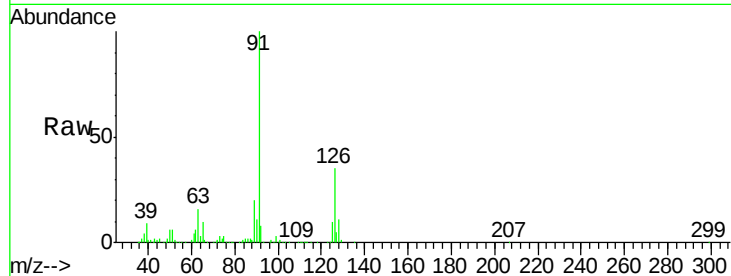
#79
2-Chlorotoluene
Concen: 20.850 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion: 91 Resp: 239221
Ion Ratio Lower Upper
91 100
126 34.6 17.0 51.0

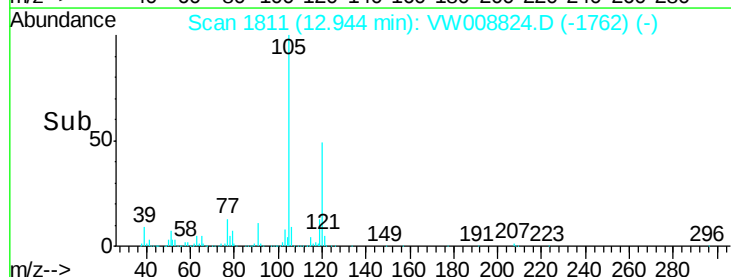
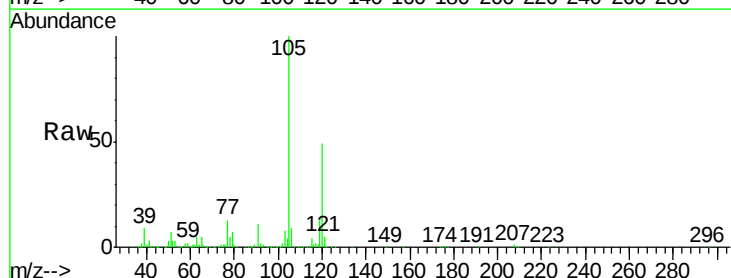
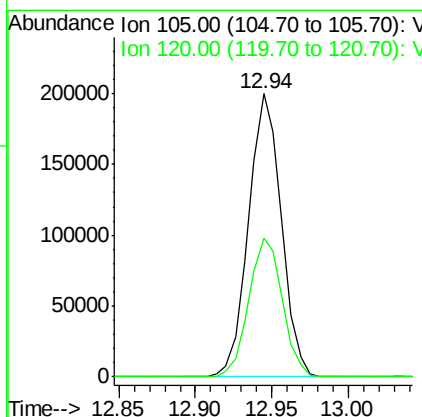
Manual Integrations
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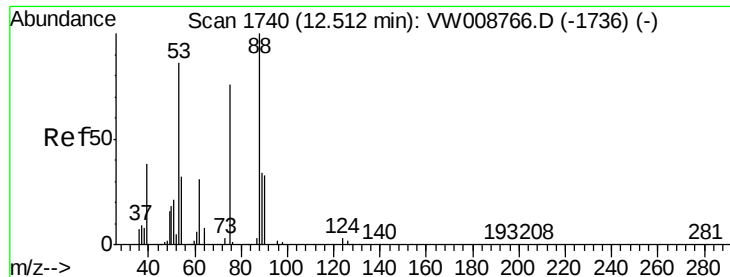
MMDadoda
2/27/2019 5:20:45 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.677 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion: 105 Resp: 296856
Ion Ratio Lower Upper
105 100
120 50.4 24.8 74.4





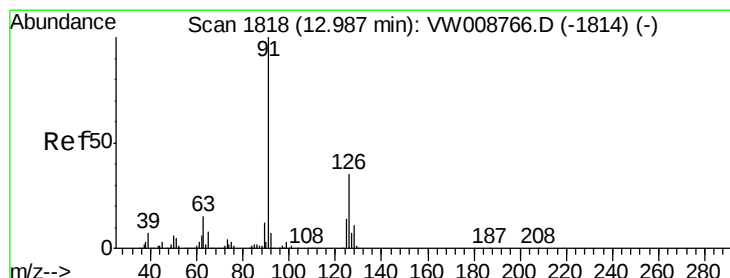
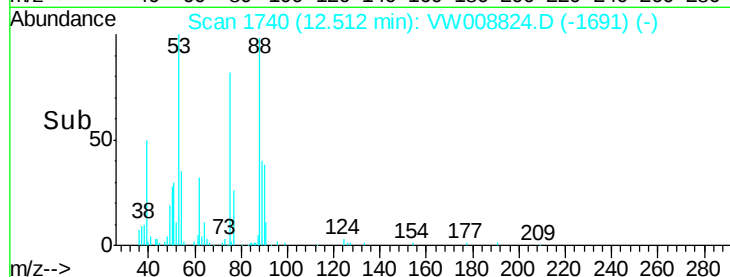
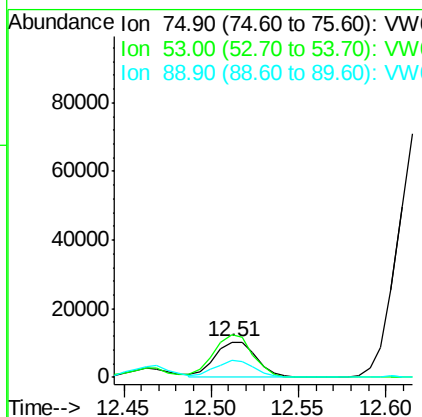
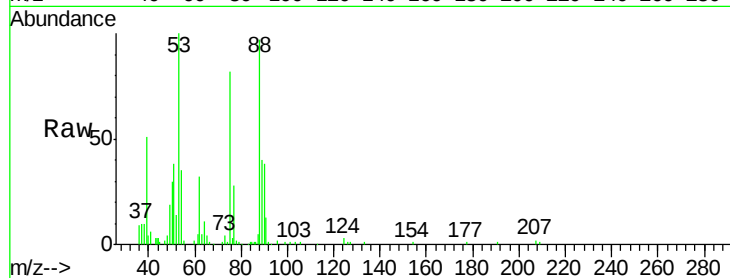
#81
trans-1,4-Dichloro-2-butene
Concen: 20.305 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.5	88.2	132.2
89	47.9	39.5	59.3

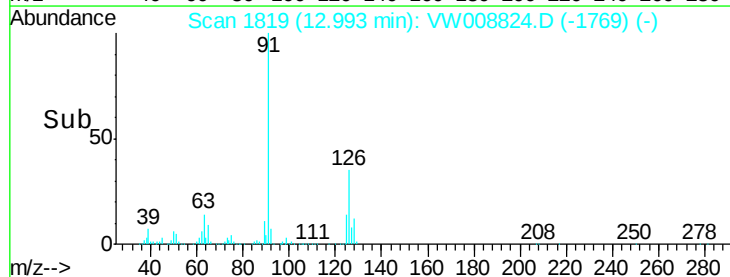
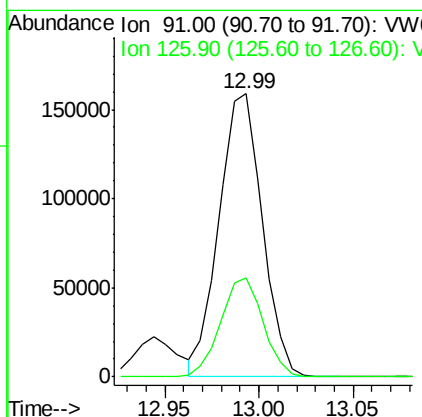
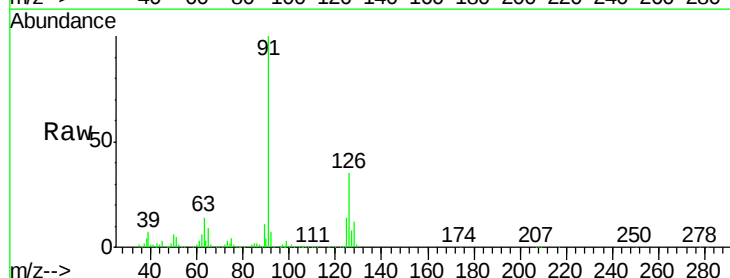
Manual Integrations
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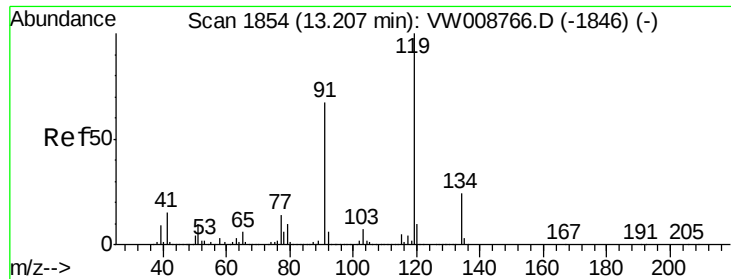
MMDadoda
2/27/2019 5:20:45 PM



#82
4-Chlorotoluene
Concen: 20.866 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.6





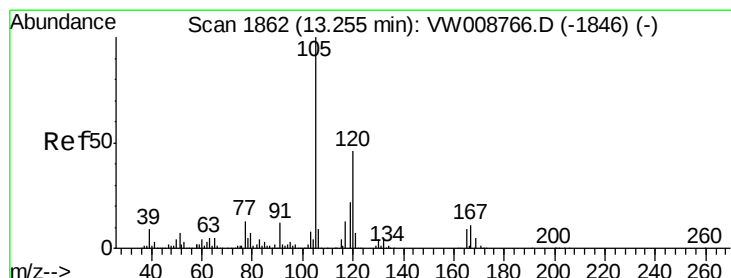
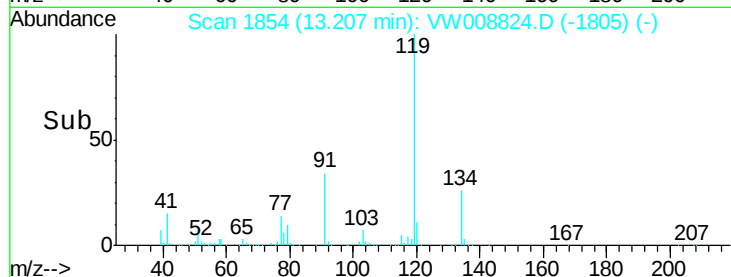
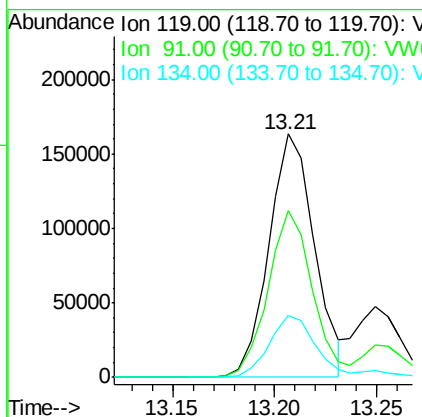
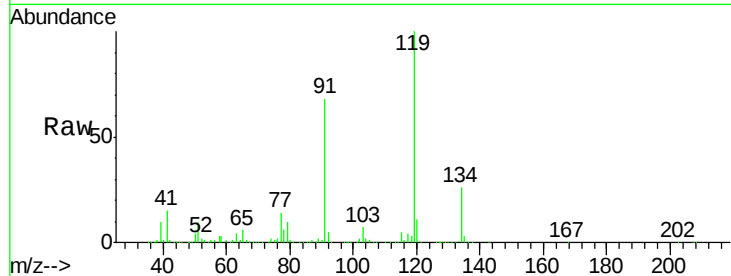
#83
tert-Butylbenzene
Concen: 20.541 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.6	100.8
134	27.8	13.7	41.1

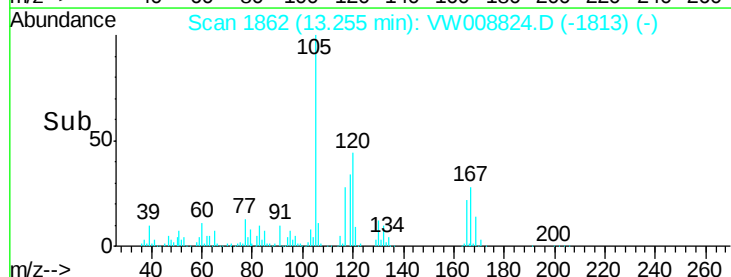
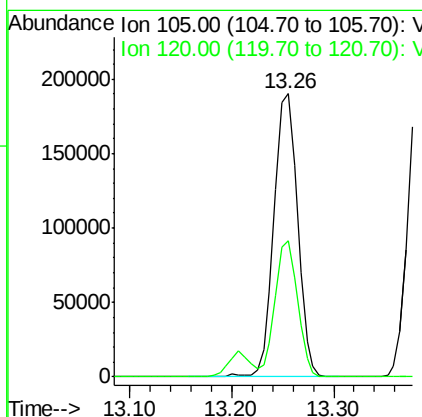
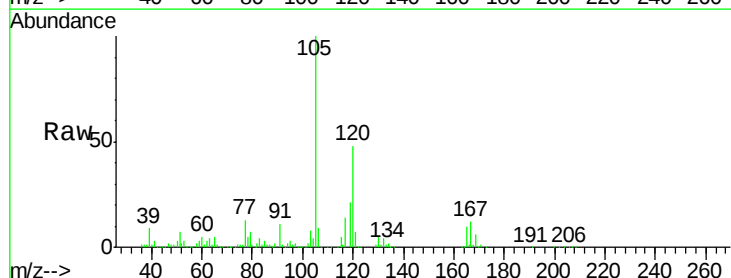
Manual Integrations
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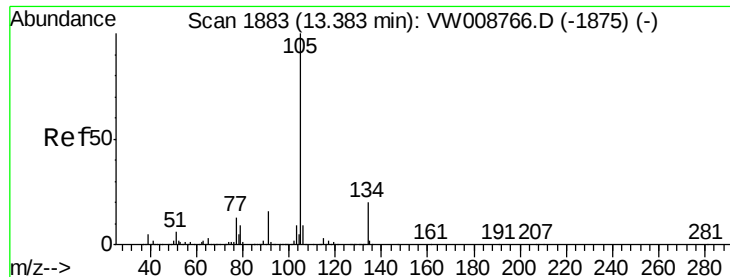
MMDadoda
2/27/2019 5:20:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.520 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.978 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0226SBS01

Tot Ion:105 Resp: 374453

Ion Ratio Lower Upper

105 100

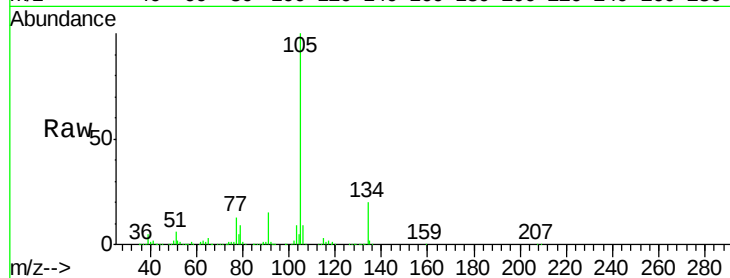
134 20.5 10.4 31.1

Manual Integrations

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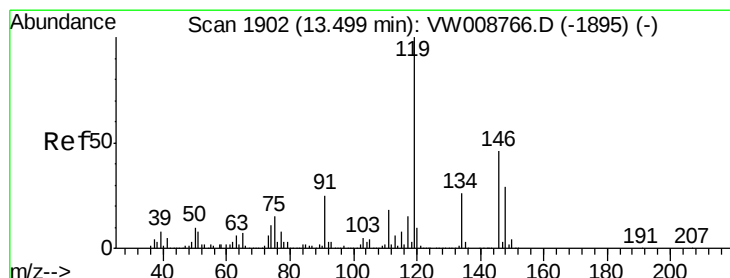
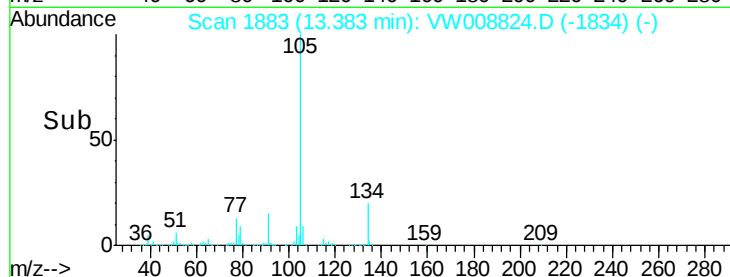
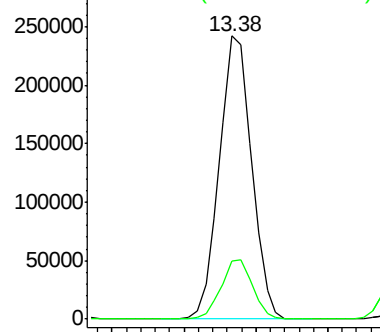
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.255 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

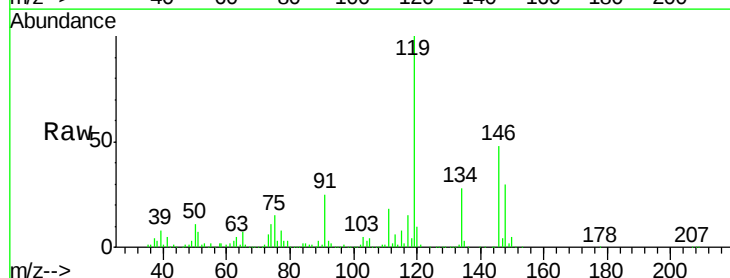
Tgt Ion:119 Resp: 331440

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

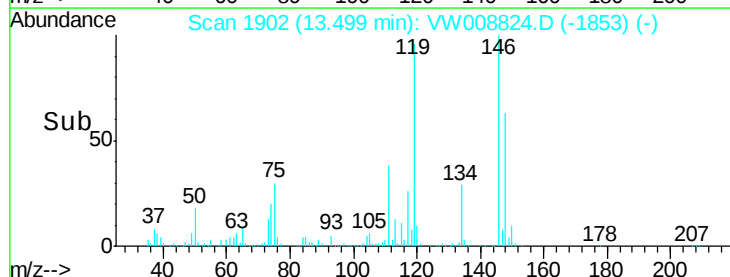
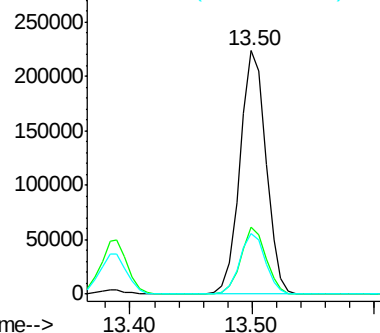
91 24.7 12.1 36.3

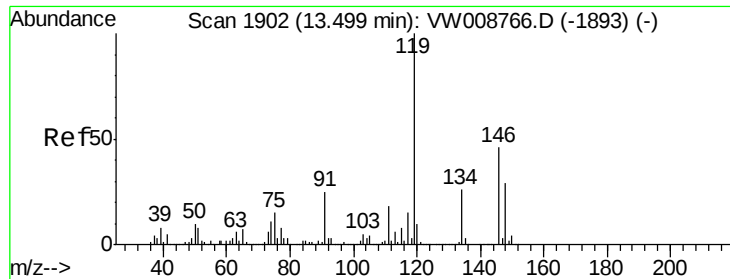


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





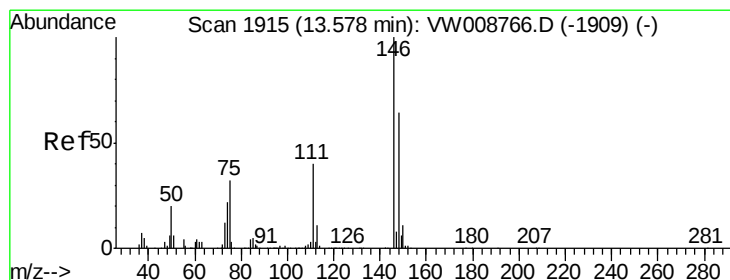
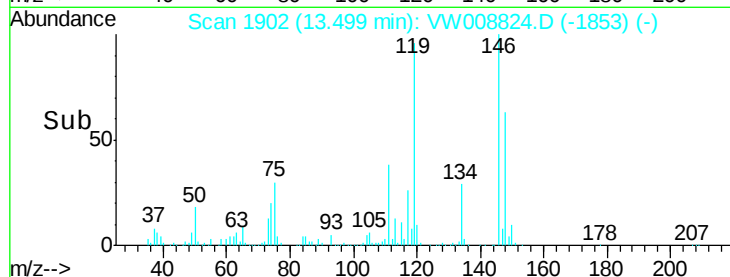
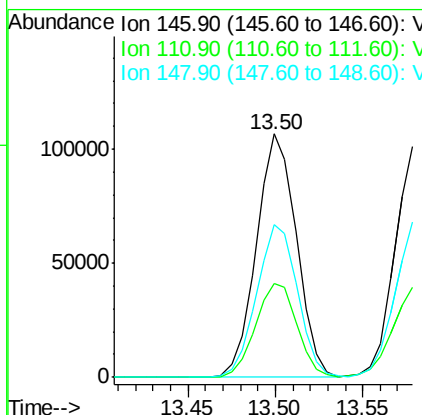
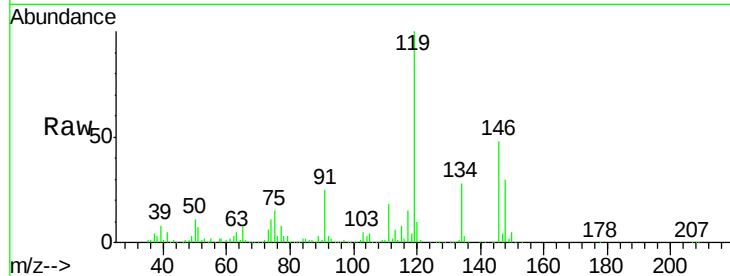
#87
 1,3-Dichlorobenzene
 Concen: 20.933 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	169549		
111	39.8	19.9	59.7	
148	64.3	31.6	94.8	

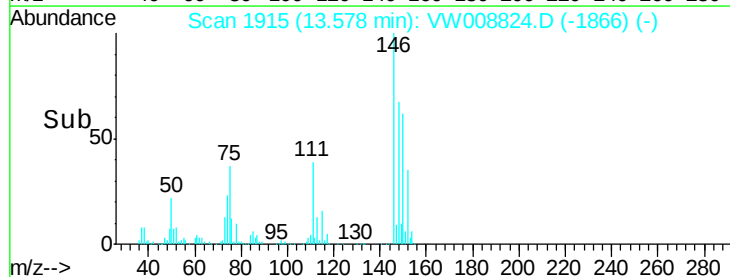
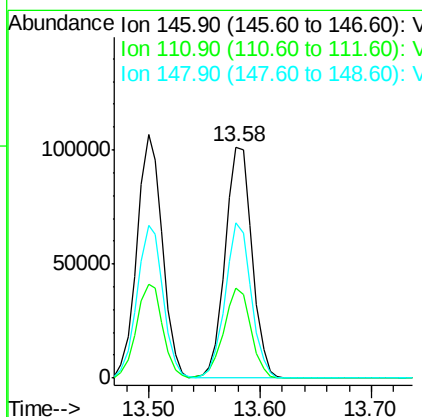
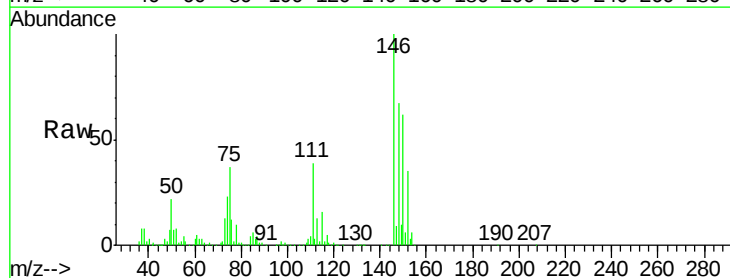
Manual Integrations
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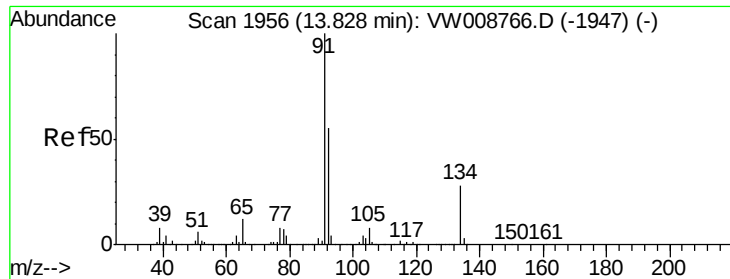
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#88
 1,4-Dichlorobenzene
 Concen: 21.075 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	168246		
111	39.8	19.3	57.9	
148	65.0	31.9	95.9	





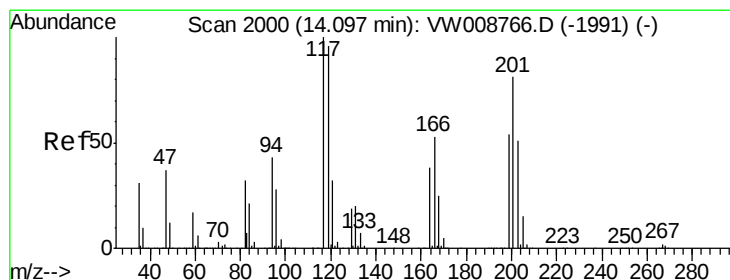
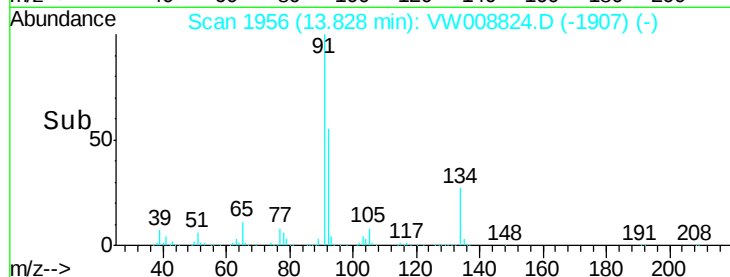
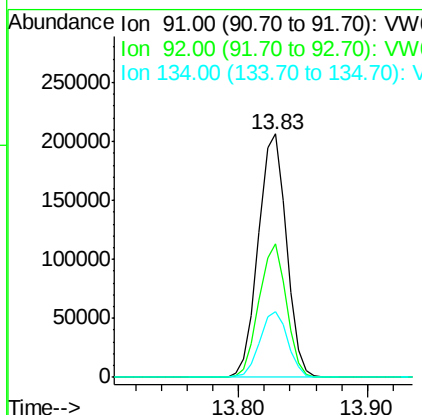
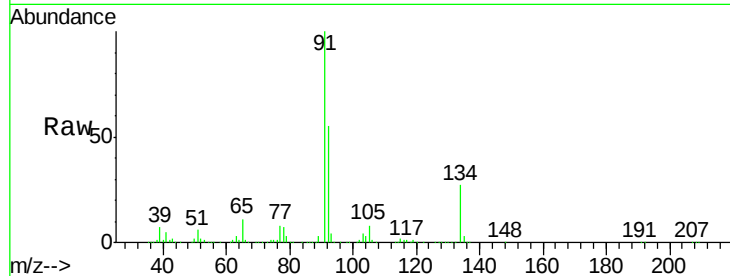
#89
n-Butylbenzene
Concen: 20.266 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	27.1	13.5	40.4

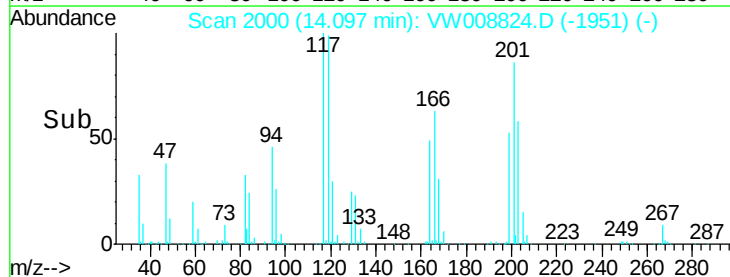
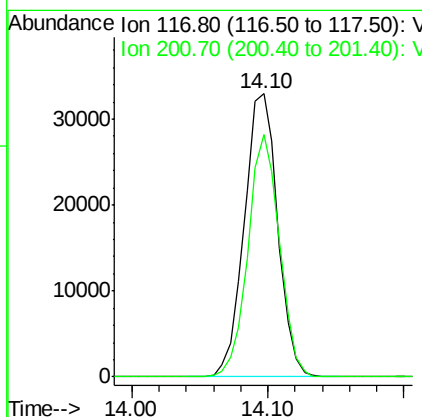
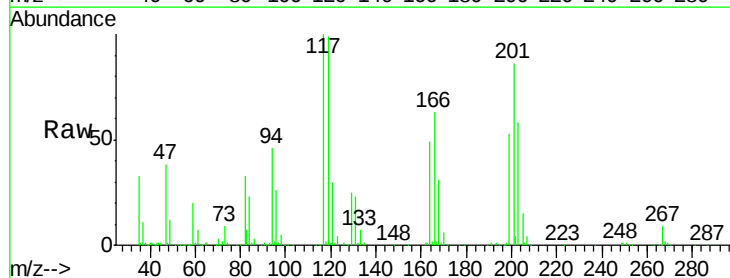
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#90
Hexachloroethane
Concen: 21.159 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	40.3	120.8





#91

1,2-Dichlorobenzene

Concen: 20.722 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Instrument :

MSVOA_W

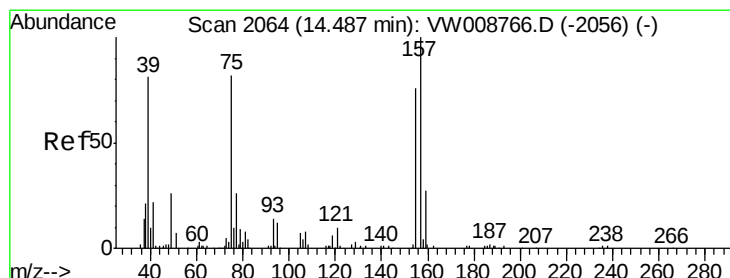
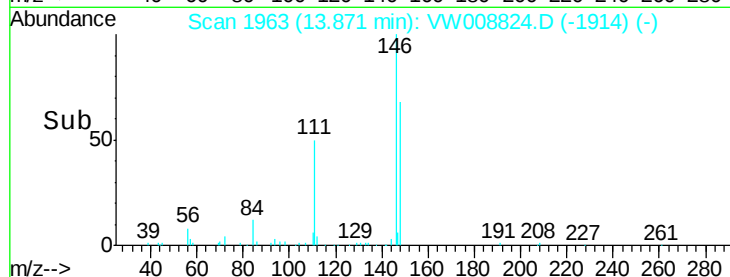
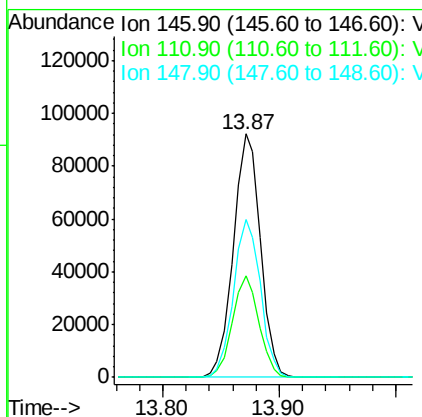
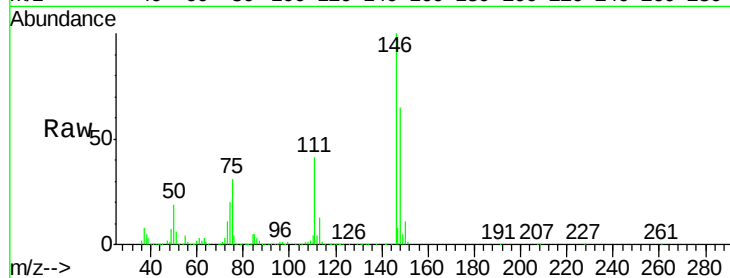
ClientSampleId :

VW0226SBS01

Tot Ion:	146	Resp:	149552
Ion Ratio		Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.7	32.5	97.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.244 ug/l

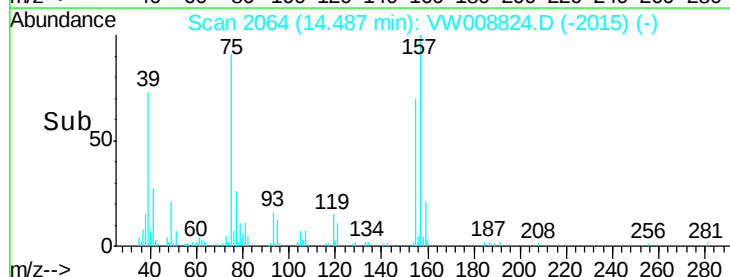
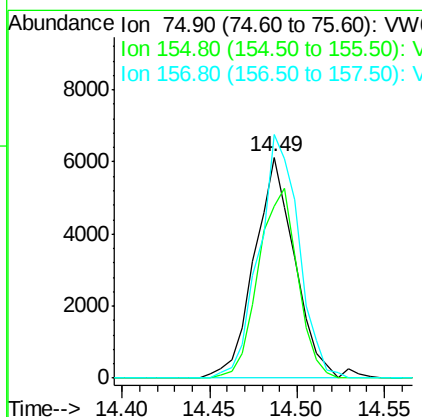
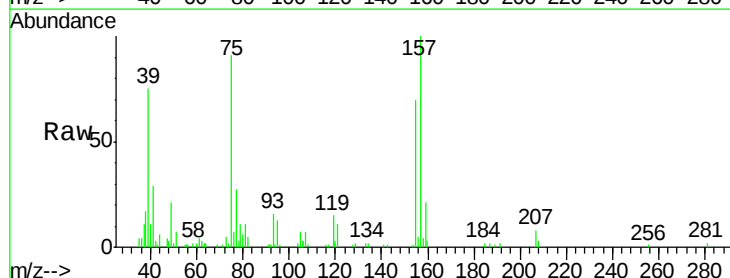
RT: 14.49 min Scan# 2064

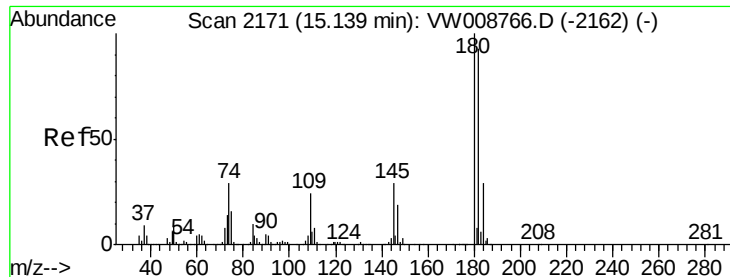
Delta R.T. 0.00 min

Lab File: VW008824.D

Acq: 26 Feb 2019 12:21

Tgt Ion:	75	Resp:	9885
Ion Ratio		Lower	Upper
75	100		
155	83.7	41.8	125.4
157	109.1	56.6	169.9





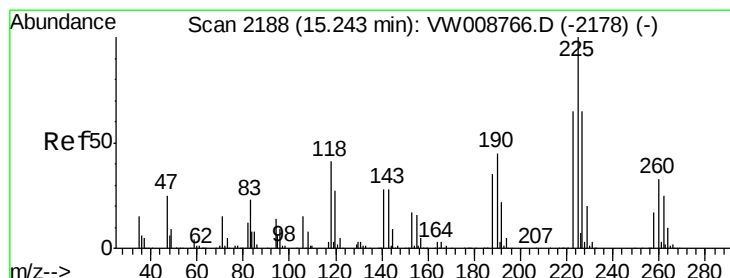
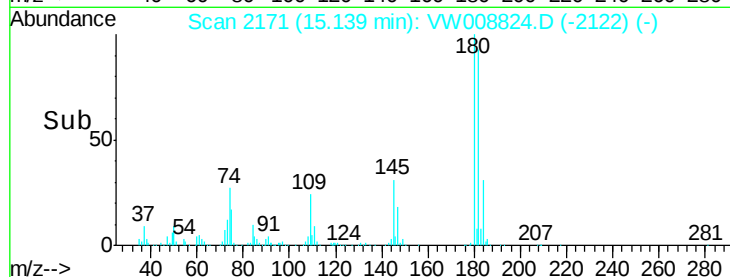
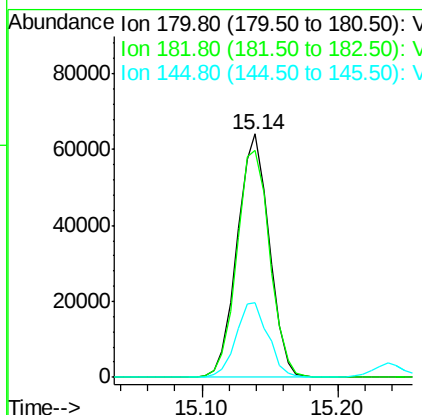
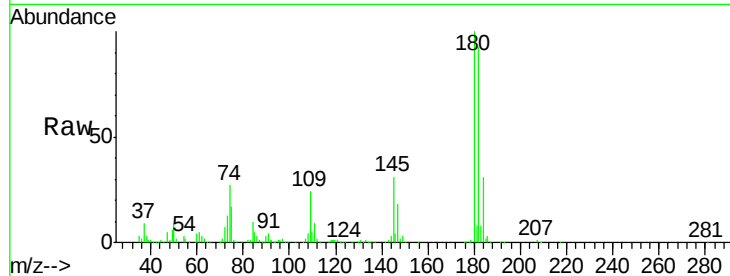
#93
 1,2,4-Trichlorobenzene
 Concen: 20.257 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.2	141.6	
145	30.7	14.4	43.0	

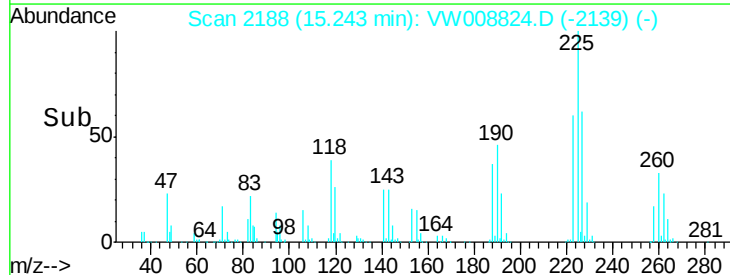
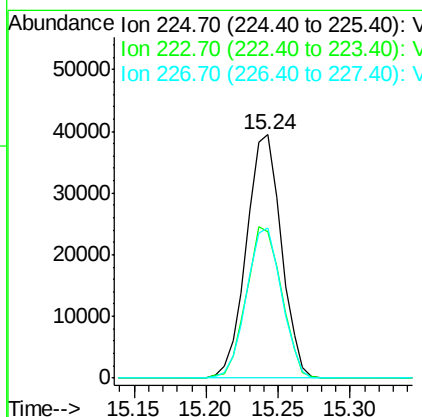
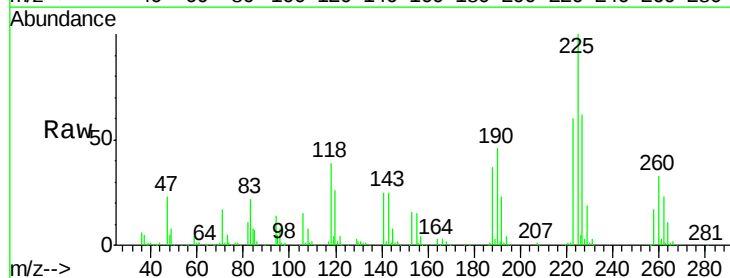
Manual Integrations
 APPROVED

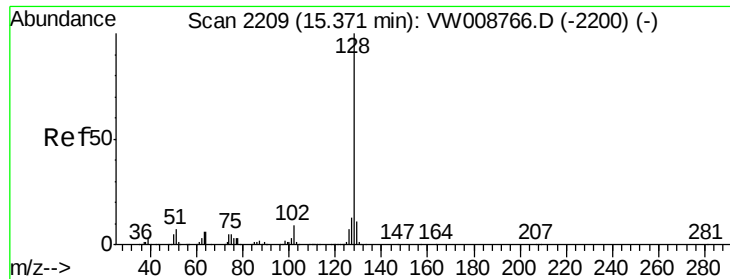
MMDadoda
 2/27/2019 5:20:45 PM



#94
 Hexachlorobutadiene
 Concen: 21.558 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008824.D
 Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.5	94.5	
227	62.1	31.6	94.8	





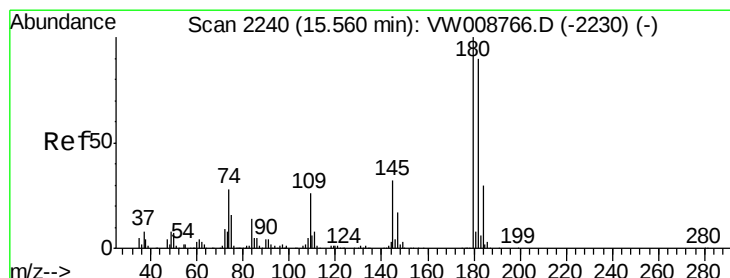
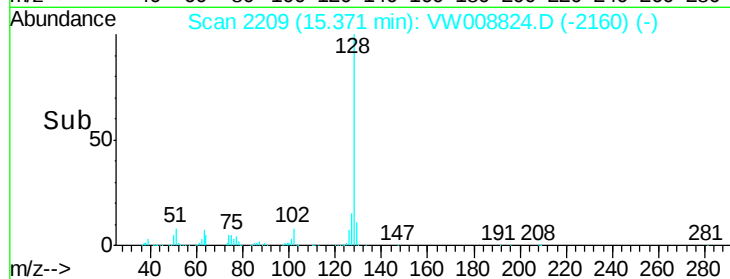
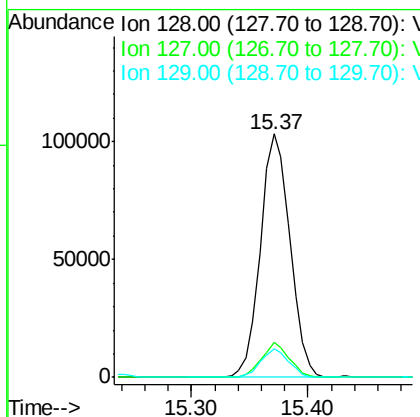
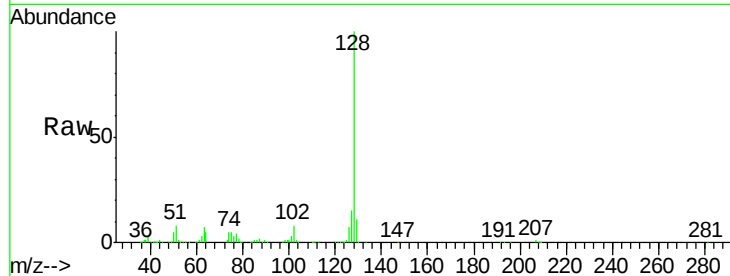
#95
Naphthalene
Concen: 20.453 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Instrument :
MSVOA_W
ClientSampleId :
VW0226SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/27/2019 5:20:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.578 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008824.D
Acq: 26 Feb 2019 12:21

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.9	46.9	140.8
145	31.7	15.9	47.6

