

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030219\
 Data File : VW008940.D
 Acq On : 02 Mar 2019 01:03
 Operator : SY/VA
 Sample : VW0302SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 4:05:22 AM

Quant Time: Mar 02 05:24:08 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	244425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137198	59.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.70%	
35) Dibromofluoromethane	7.88	113	121765	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
50) Toluene-d8	10.32	98	451558	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.62	95	174678	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	43874	17.922	ug/l	99
3) Chloromethane	2.21	50	61194	20.535	ug/l	98
4) Vinyl Chloride	2.35	62	58692	18.602	ug/l	97
5) Bromomethane	2.75	94	53902	23.000	ug/l	97
6) Chloroethane	2.90	64	46463	20.738	ug/l	95
7) Trichlorofluoromethane	3.25	101	80556	20.187	ug/l	98
8) Diethyl Ether	3.68	74	28275	22.381	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50243	20.734	ug/l	99
10) Methyl Iodide	4.26	142	51915	17.132	ug/l	99
11) Tert butyl alcohol	5.18	59	20219	99.068	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	42976	20.081	ug/l	91
13) Acrolein	3.90	56	14261	80.785	ug/l	94
14) Allyl chloride	4.67	41	77820	21.069	ug/l	98
15) Acrylonitrile	5.37	53	62860	115.937	ug/l	97
16) Acetone	4.12	43	51124	96.210	ug/l	93
17) Carbon Disulfide	4.37	76	130854	18.429	ug/l	98
18) Methyl Acetate	4.67	43	29160	23.136	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	136568	23.576	ug/l	96
20) Methylene Chloride	4.92	84	64378	21.702	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	53496	21.610	ug/l	99
22) Diisopropyl ether	6.31	45	174551	23.690	ug/l	92
23) Vinyl Acetate	6.26	43	523073	114.900	ug/l	100
24) 1,1-Dichloroethane	6.21	63	98246	23.010	ug/l	98
25) 2-Butanone	7.17	43	80014	107.704	ug/l	96
26) 2,2-Dichloropropane	7.17	77	71558	18.460	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60470	22.835	ug/l	95
28) Bromochloromethane	7.51	49	41287	23.108	ug/l	99
29) Tetrahydrofuran	7.53	42	53623	113.265	ug/l	100
30) Chloroform	7.68	83	101955	23.277	ug/l	99
31) Cyclohexane	7.95	56	87122	20.158	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	89254	22.407	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77074	21.293	ug/l	100
37) Ethyl Acetate	7.25	43	37933	22.536	ug/l	99
38) Carbon Tetrachloride	8.07	117	78992	20.693	ug/l	96

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 Misc : 5.00G/5ML/MSVOA W/SOIL
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Instrument :
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 VW0302SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 4:05:22 AM

Quant Time: Mar 02 05:24:08 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)
39) Methylcyclohexane	9.34	83	85691	18.980	ug/l	96
40) Benzene	8.32	78	221295	22.392	ug/l	98
41) Methacrylonitrile	7.48	41	20889	21.112	ug/l	94
42) 1,2-Dichloroethane	8.40	62	72198	23.062	ug/l	99
43) Isopropyl Acetate	8.43	43	73695	21.937	ug/l	98
44) Trichloroethene	9.09	130	62559	22.470	ug/l	98
45) 1,2-Dichloropropane	9.37	63	56402	23.095	ug/l	96
46) Dibromomethane	9.46	93	30522	22.468	ug/l	100
47) Bromodichloromethane	9.65	83	76856	23.254	ug/l	94
48) Methyl methacrylate	9.43	41	31850	19.795	ug/l	99
49) 1,4-Dioxane	9.46	88	8688	399.372	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	182046	106.737	ug/l	100
52) Toluene	10.39	92	144830	21.593	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	71864	21.332	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	83900	21.837	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43190	23.444	ug/l	98
56) Ethyl methacrylate	10.65	69	50081	20.924	ug/l	96
57) 1,3-Dichloropropane	10.93	76	75063	23.077	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	138549	115.094	ug/l	98
59) 2-Hexanone	10.97	43	119253	98.224	ug/l	99
60) Dibromochloromethane	11.13	129	51709	23.012	ug/l	98
61) 1,2-Dibromoethane	11.24	107	40036	21.955	ug/l	98
64) Tetrachloroethene	10.86	164	57653	22.286	ug/l	98
65) Chlorobenzene	11.66	112	161409	21.240	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	54685	21.282	ug/l	97
67) Ethyl Benzene	11.73	91	273987	20.169	ug/l	100
68) m/p-Xylenes	11.84	106	220515	40.627	ug/l	98
69) o-Xylene	12.16	106	102459	20.111	ug/l	99
70) Styrene	12.18	104	167444	20.429	ug/l	99
71) Bromoform	12.35	173	28999	20.996	ug/l #	100
73) Isopropylbenzene	12.47	105	271361	20.374	ug/l	99
74) N-amyl acetate	12.27	43	65792	19.610	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	46437	21.337	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33514m	20.893	ug/l	
77) Bromobenzene	12.75	156	69946	22.223	ug/l	95
78) n-propylbenzene	12.80	91	328234	20.146	ug/l	99
79) 2-Chlorotoluene	12.90	91	192980	20.862	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	234695	20.277	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11479	17.397	ug/l	92
82) 4-Chlorotoluene	12.99	91	201666	20.688	ug/l	99
83) tert-Butylbenzene	13.21	119	207201	20.703	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	238517	19.907	ug/l	99
85) sec-Butylbenzene	13.38	105	285931	19.869	ug/l	100
86) p-Isopropyltoluene	13.50	119	251744	19.082	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	137725	21.090	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	133165	20.690	ug/l	98
89) n-Butylbenzene	13.83	91	229354	18.557	ug/l	99
90) Hexachloroethane	14.10	117	45244	20.949	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	121790	20.931	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7655	19.445	ug/l	96

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ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

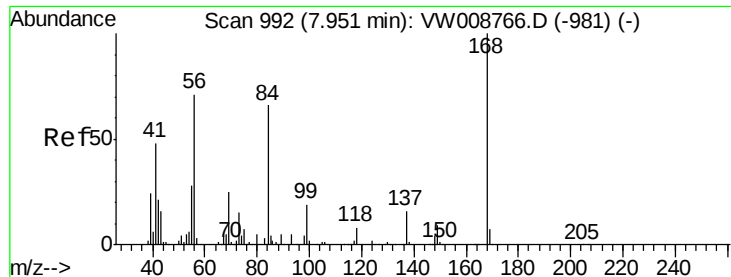
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	79690	19.008	ug/l	100
94) Hexachlorobutadiene	15.24	225	49586	20.080	ug/l	99
95) Naphthalene	15.37	128	131686	18.448	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	70870	19.551	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: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion:168 Resp: 244425

Ion Ratio Lower Upper

168 100

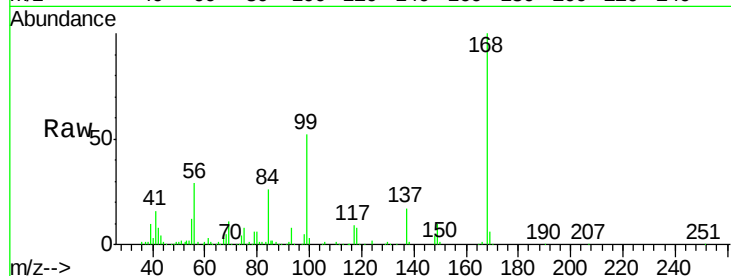
99 52.0 42.2 63.2

Manual Integrations

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3/5/2019 4:05:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

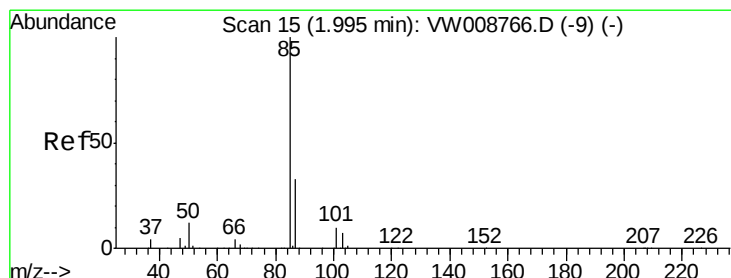
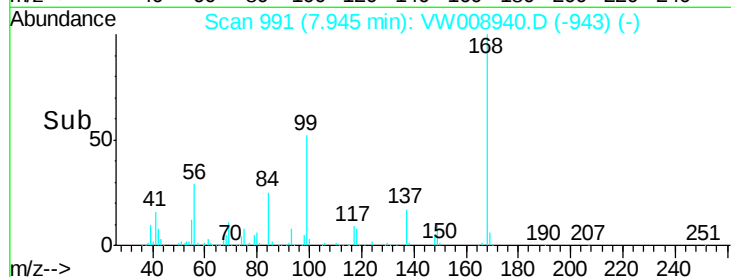
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.922 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008940.D

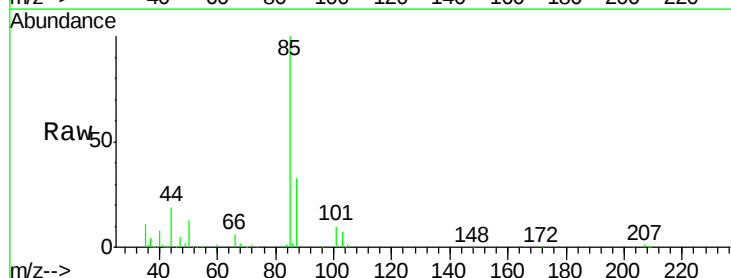
Acq: 02 Mar 2019 01:03

Tgt Ion: 85 Resp: 43874

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

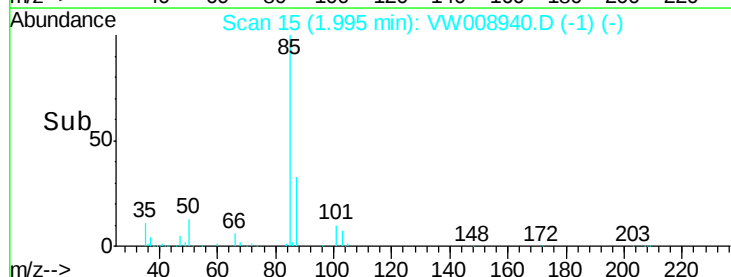
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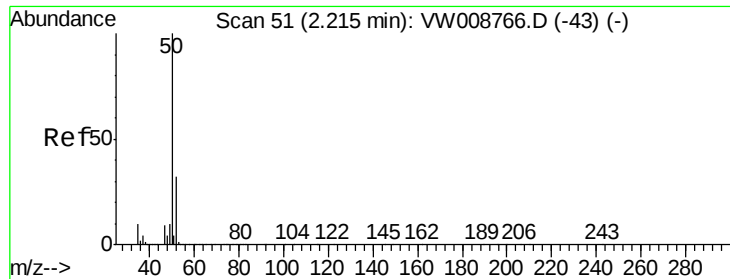
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.535 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 50 Resp: 61194

Ion Ratio Lower Upper

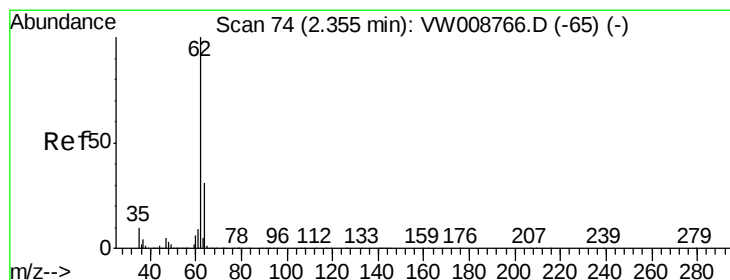
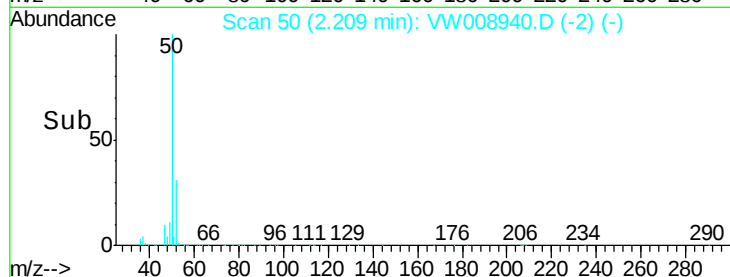
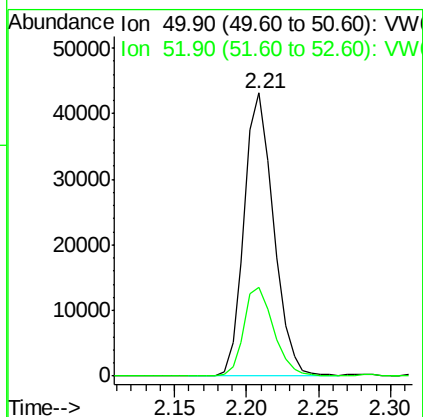
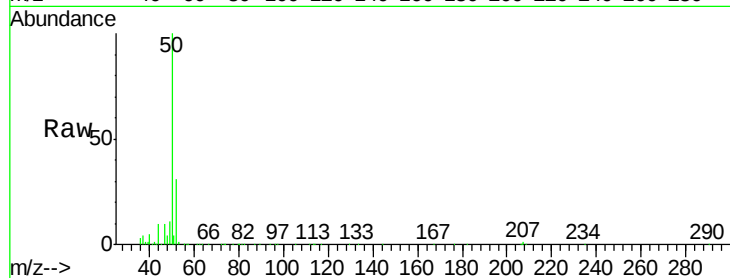
50 100

52 31.3 25.9 38.9

Manual Integrations
APPROVED

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3/5/2019 4:05:22 AM



#4

Vinyl Chloride

Concen: 18.602 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008940.D

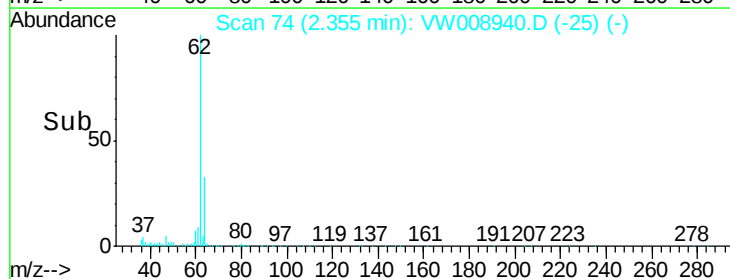
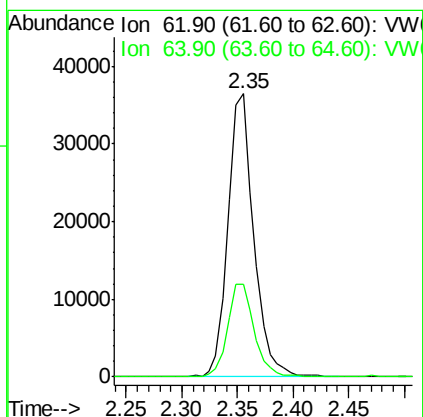
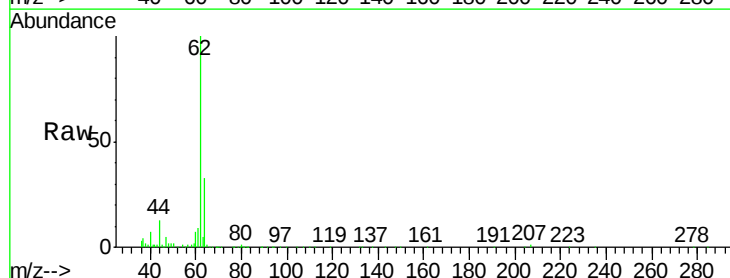
Acq: 02 Mar 2019 01:03

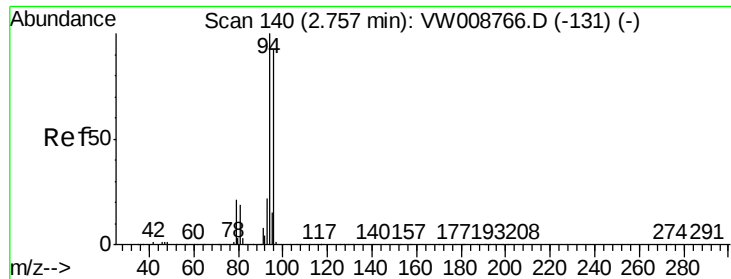
Tgt Ion: 62 Resp: 58692

Ion Ratio Lower Upper

62 100

64 32.5 24.9 37.3





#5

Bromomethane

Concen: 23.000 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 94 Resp: 53902

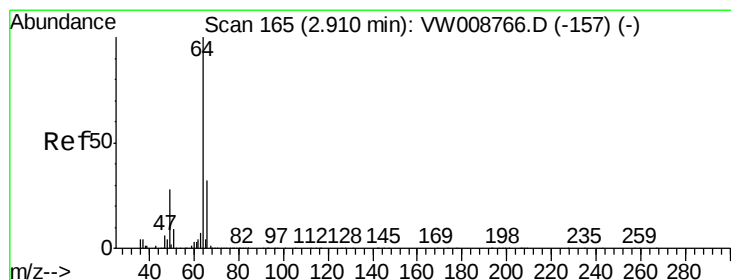
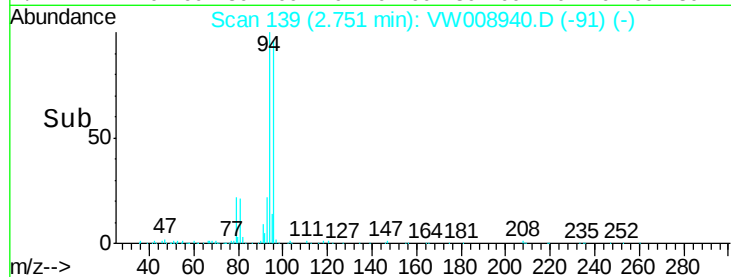
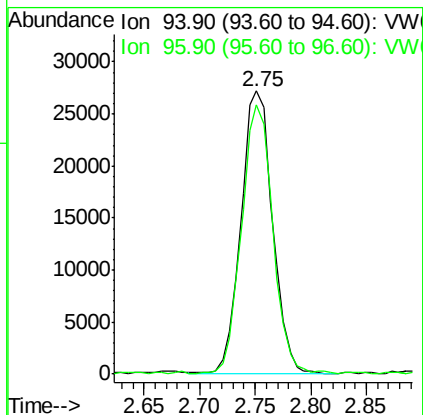
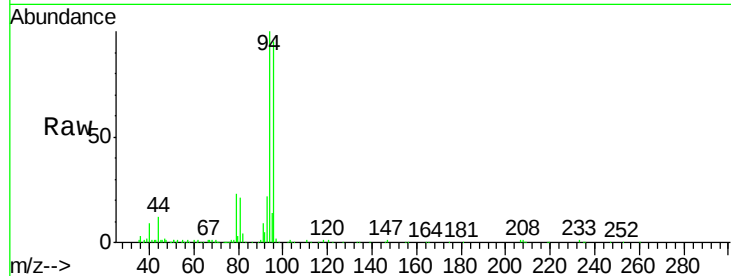
Ion Ratio Lower Upper

94 100

96 95.1 73.4 110.2

Manual Integrations
APPROVED

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3/5/2019 4:05:22 AM



#6

Chloroethane

Concen: 20.738 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008940.D

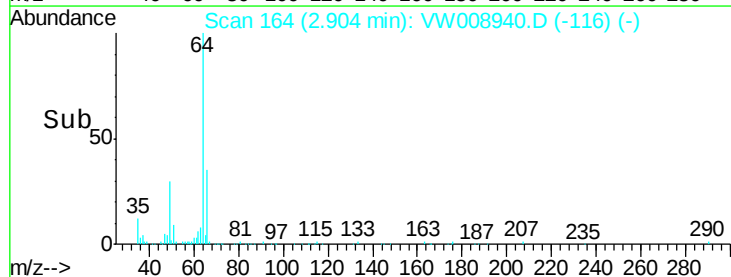
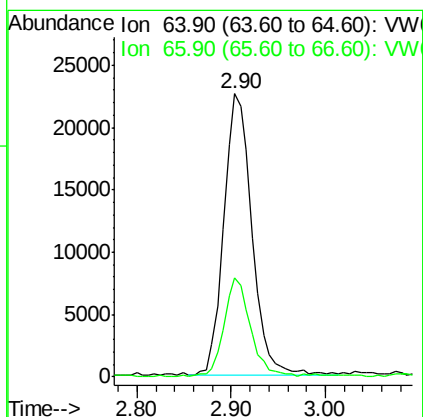
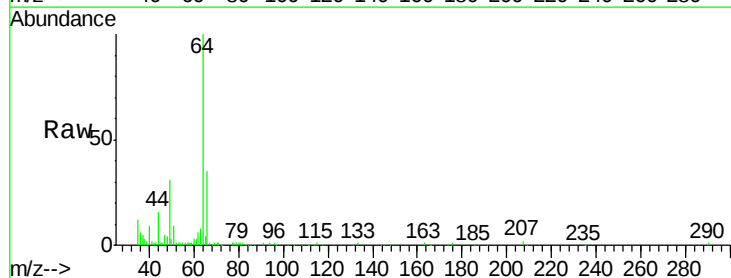
Acq: 02 Mar 2019 01:03

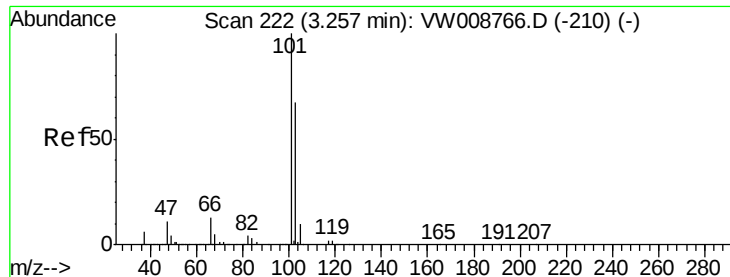
Tgt Ion: 64 Resp: 46463

Ion Ratio Lower Upper

64 100

66 34.9 25.5 38.3





#7

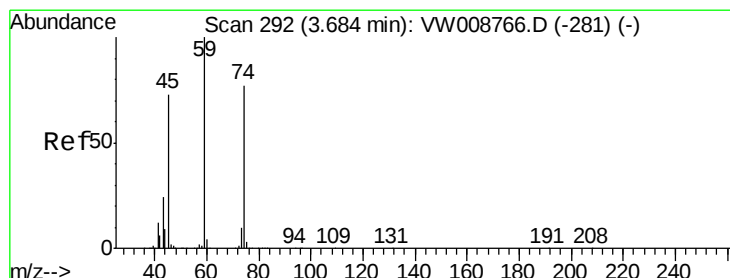
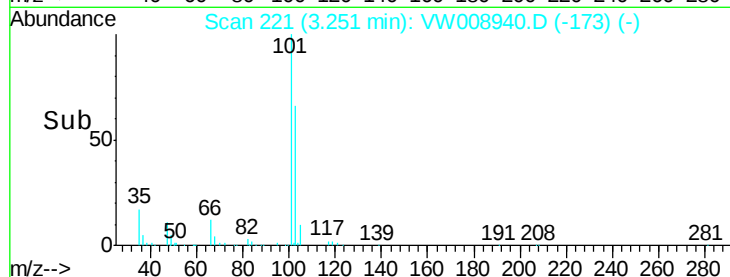
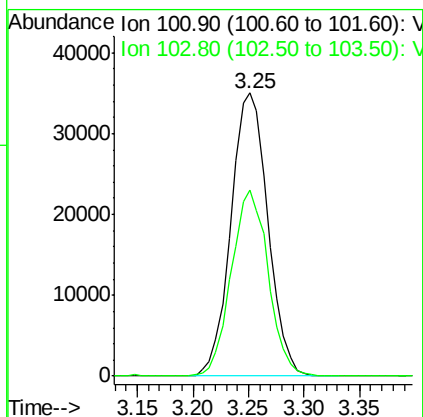
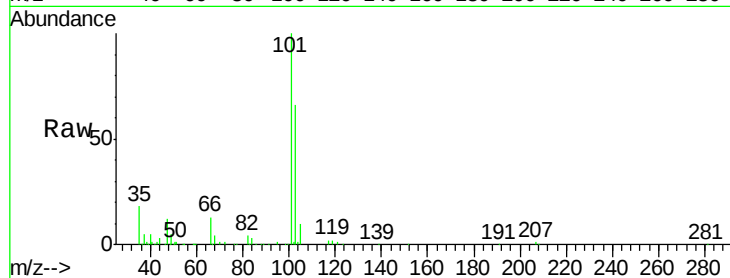
Trichlorofluoromethane
 Concen: 20.187 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.9	80.9

Manual Integrations
 APPROVED

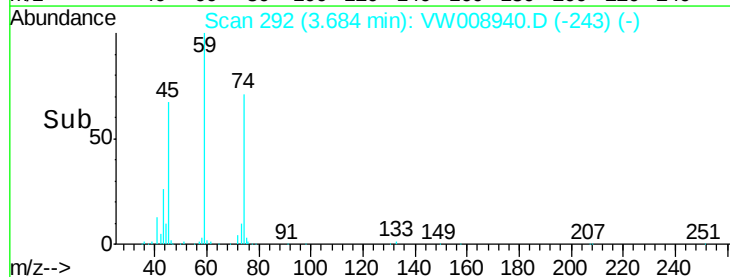
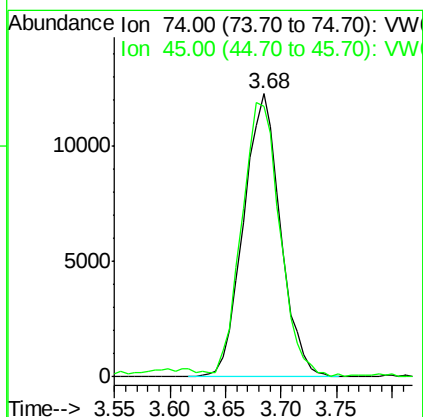
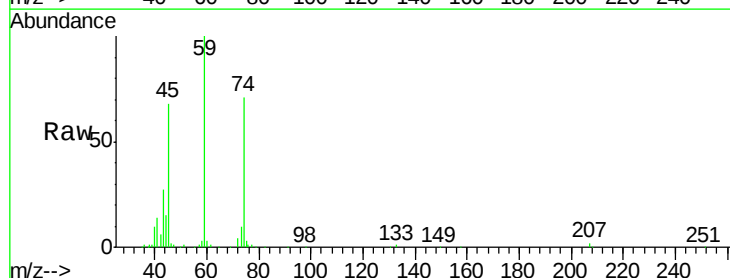
MMDadoda
 3/5/2019 4:05:22 AM

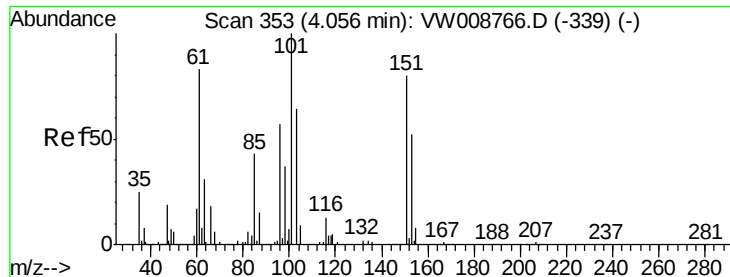


#8

Diethyl Ether
 Concen: 22.381 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.734 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

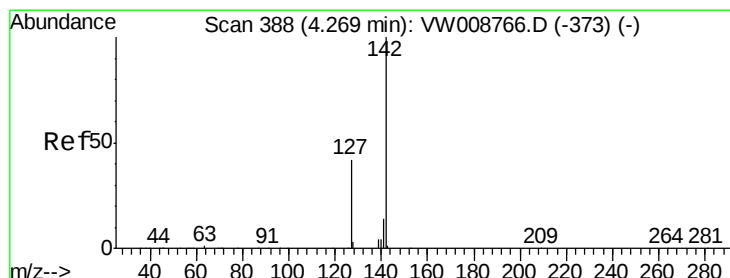
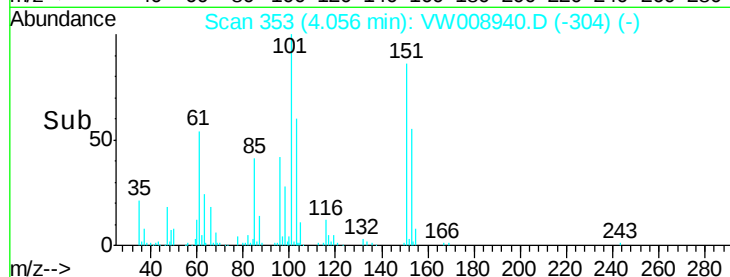
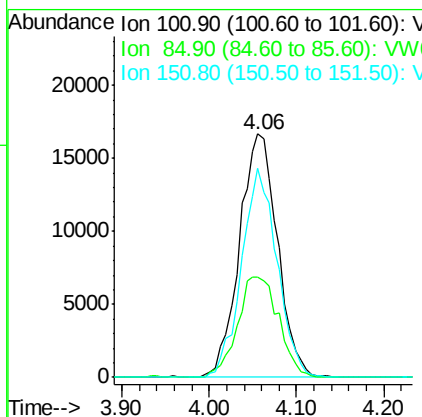
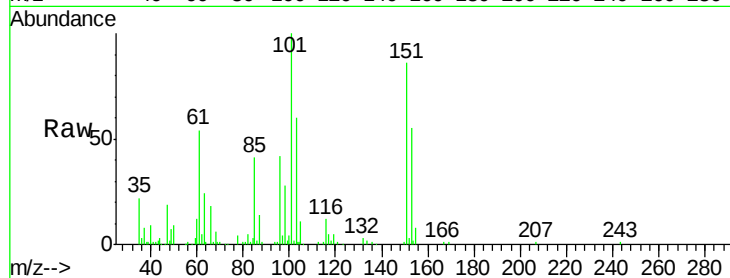
ClientSampleId :

VW0302SBS02

Tot Ion:	101	Resp:	50243
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	80.3	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.132 ug/l

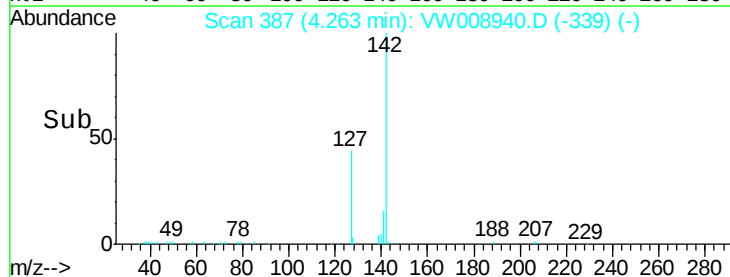
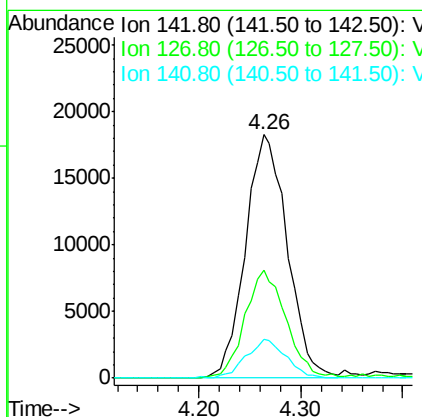
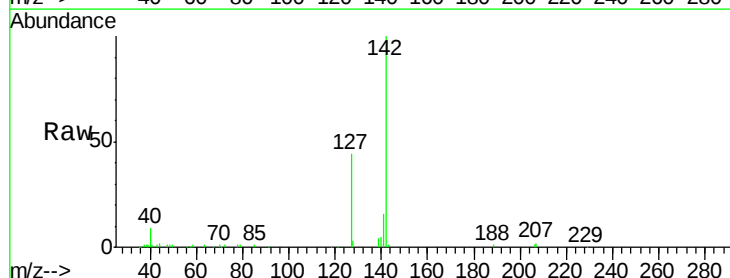
RT: 4.26 min Scan# 387

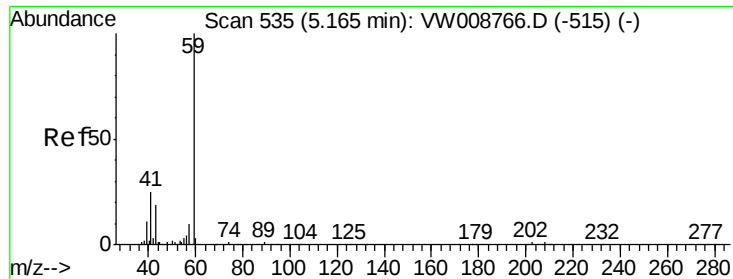
Delta R.T. -0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion:	142	Resp:	51915
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.3	52.9
141	15.4	11.7	17.5





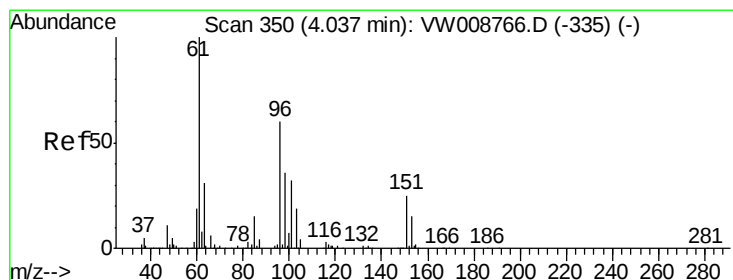
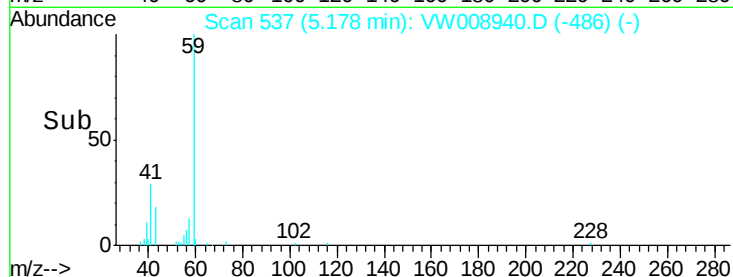
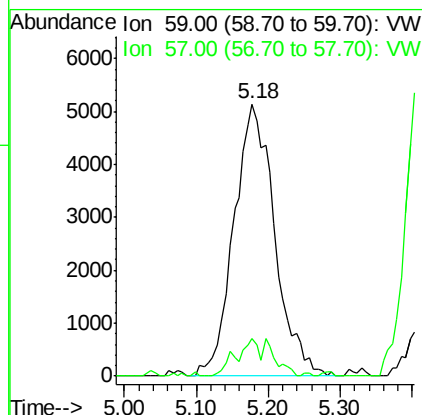
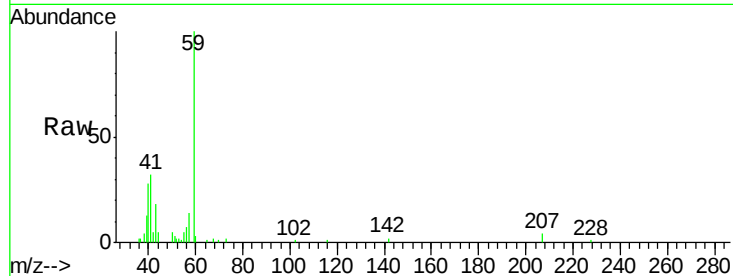
#11
Tert butyl alcohol
Concen: 99.068 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion: 59 Resp: 20219
Ion Ratio Lower Upper
59 100
57 4.8 9.3 13.9#

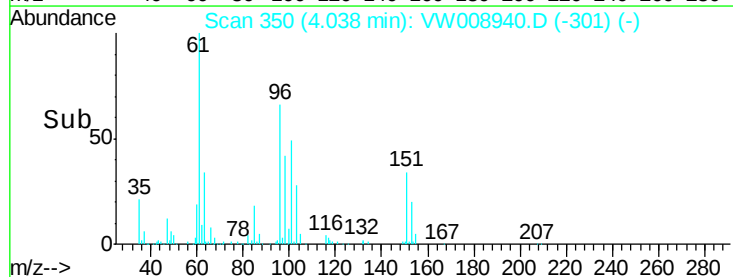
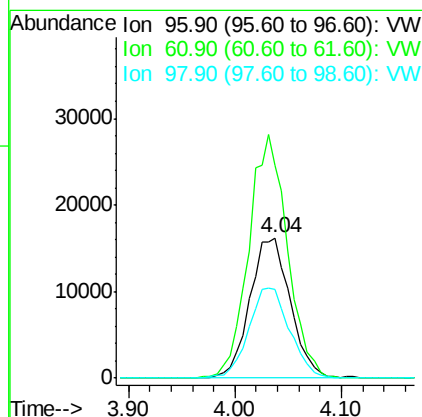
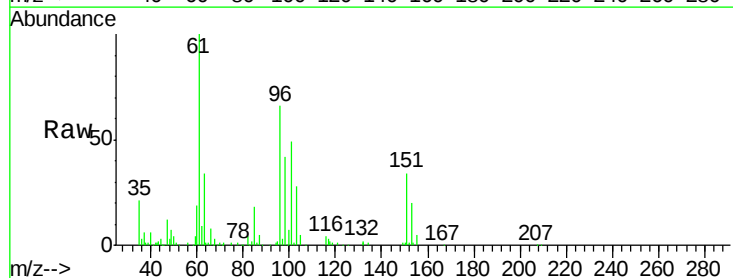
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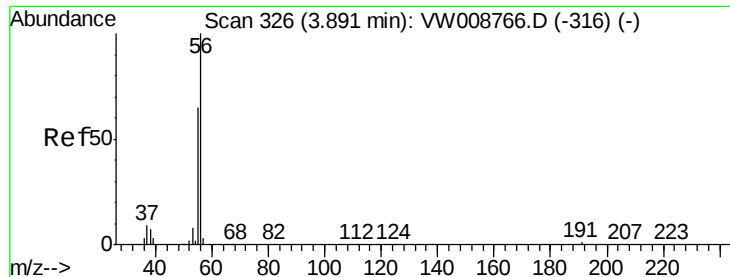
MMDadoda
3/5/2019 4:05:22 AM



#12
1,1-Dichloroethene
Concen: 20.081 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion: 96 Resp: 42976
Ion Ratio Lower Upper
96 100
61 151.3 132.5 198.7
98 62.9 48.2 72.4





#13

Acrolein

Concen: 80.785 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 56 Resp: 14261

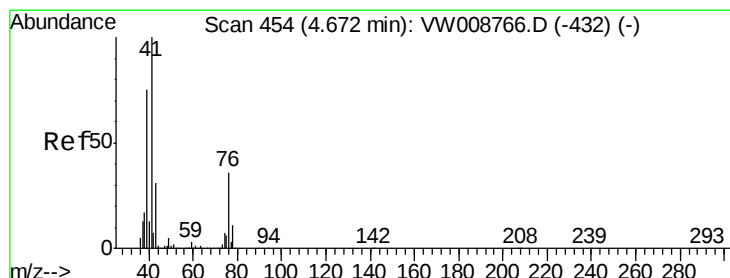
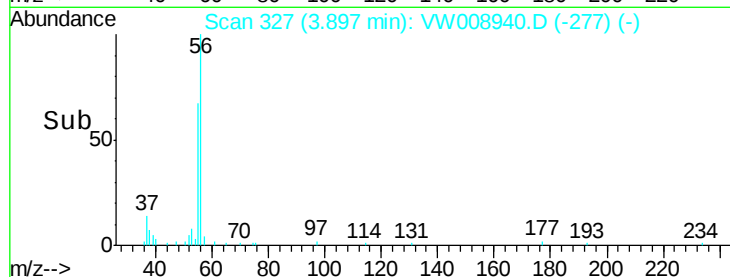
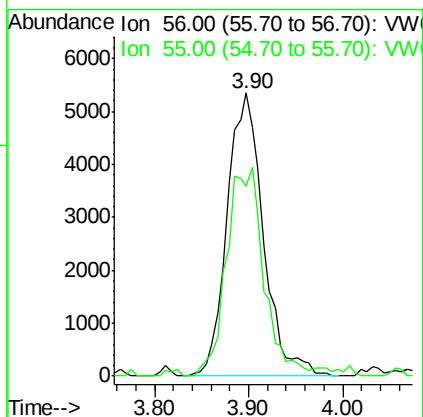
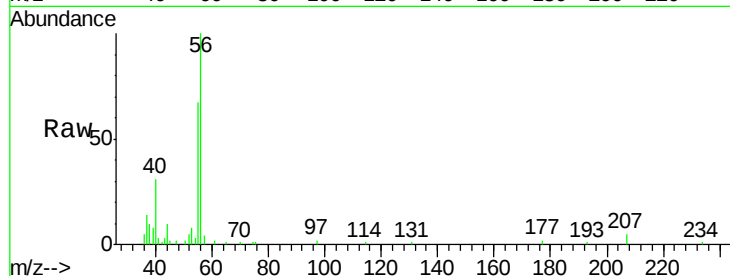
Ion Ratio Lower Upper

56 100

55 75.7 56.9 85.3

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#14

Allyl chloride

Concen: 21.069 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

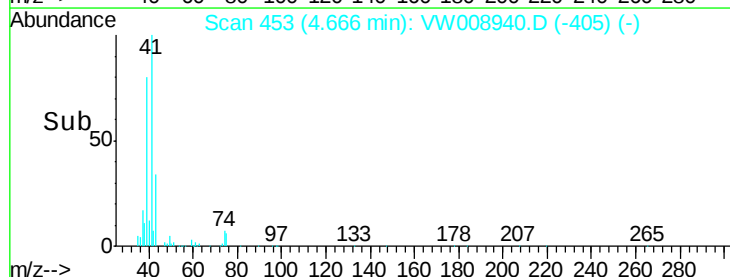
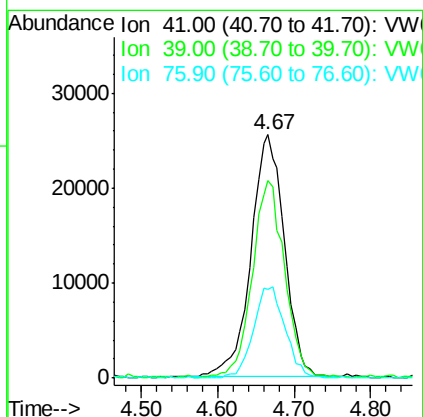
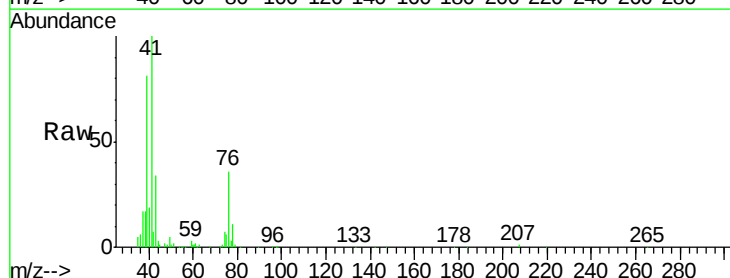
Tgt Ion: 41 Resp: 77820

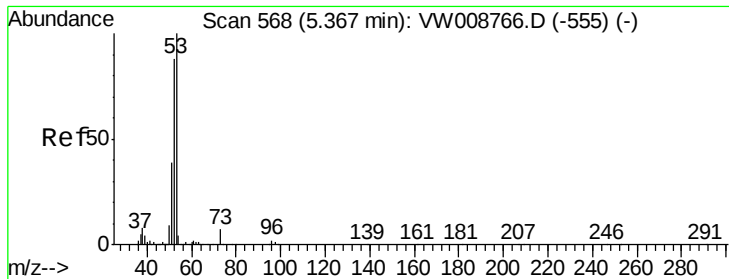
Ion Ratio Lower Upper

41 100

39 77.8 60.6 91.0

76 35.9 28.6 42.8





#15

Acrylonitrile

Concen: 115.937 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

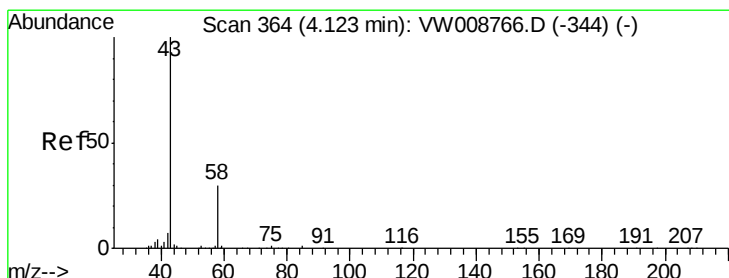
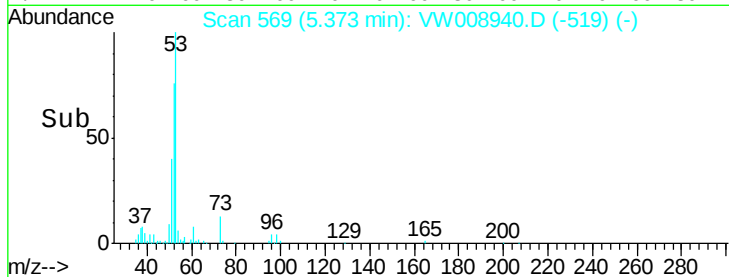
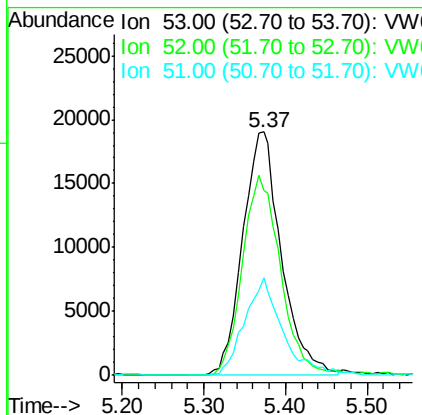
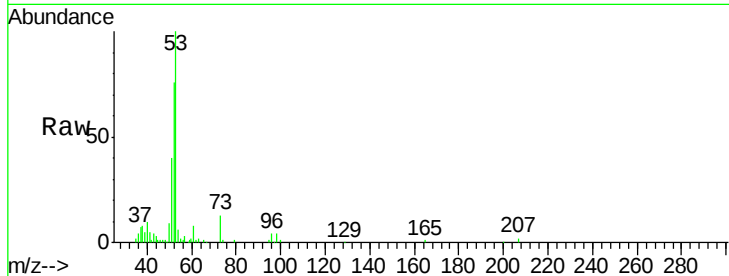
ClientSampleId :

VW0302SBS02

Tot Ion:	53	Resp:	62860
Ion	Ratio	Lower	Upper
53	100		
52	80.9	67.2	100.8
51	39.4	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 96.210 ug/l

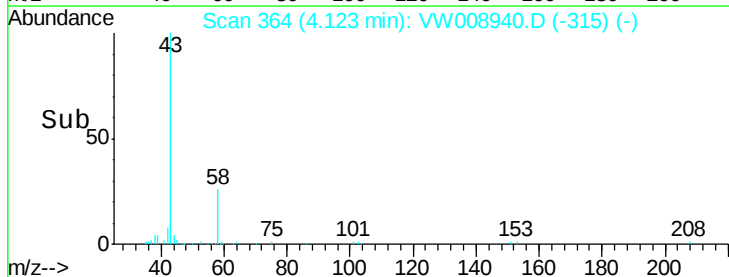
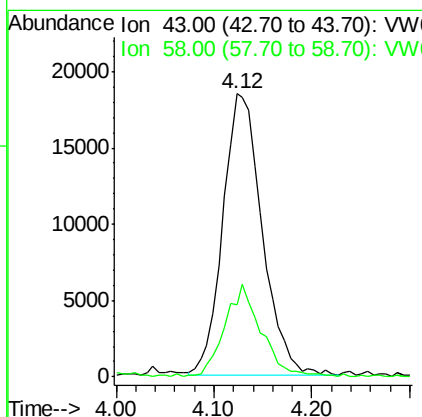
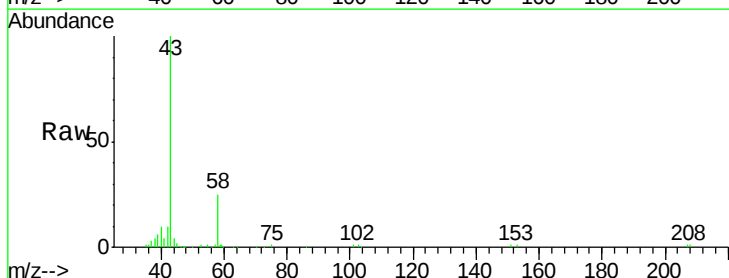
RT: 4.12 min Scan# 364

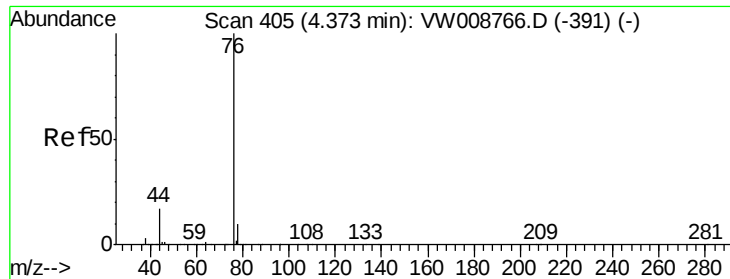
Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion:	43	Resp:	51124
Ion	Ratio	Lower	Upper
43	100		
58	25.7	23.8	35.6





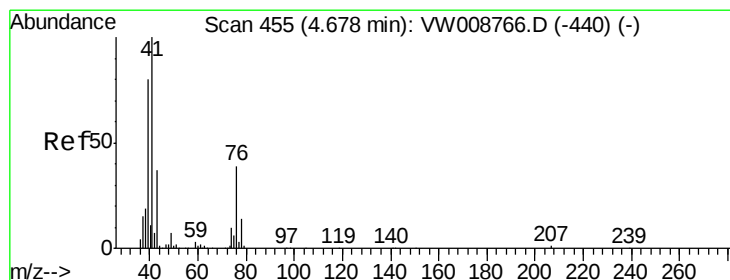
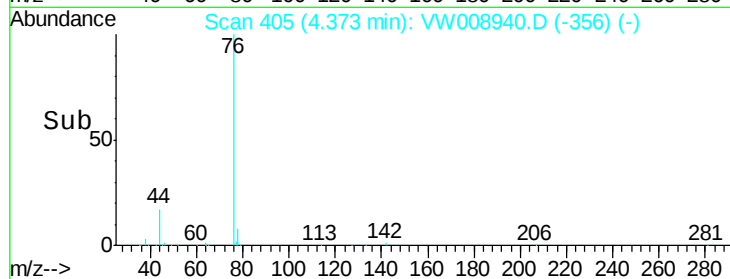
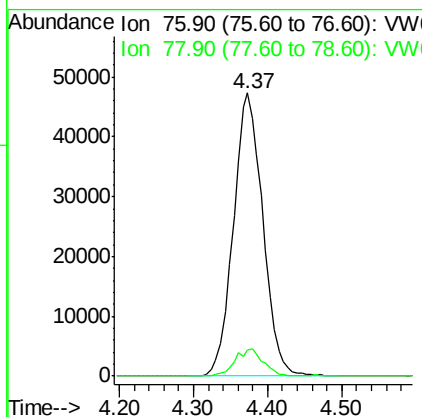
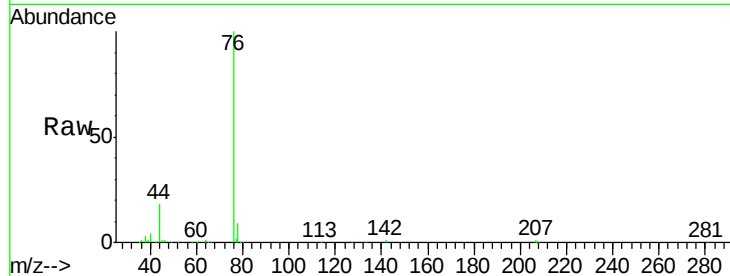
#17
Carbon Disulfide
Concen: 18.429 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.8

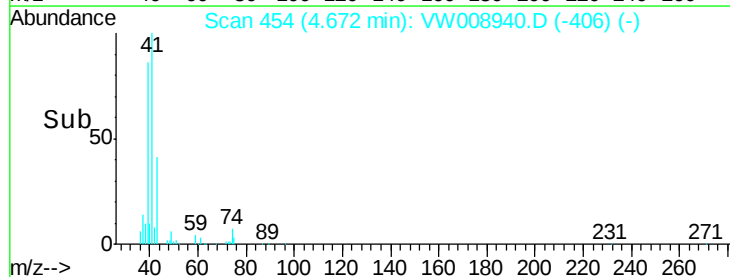
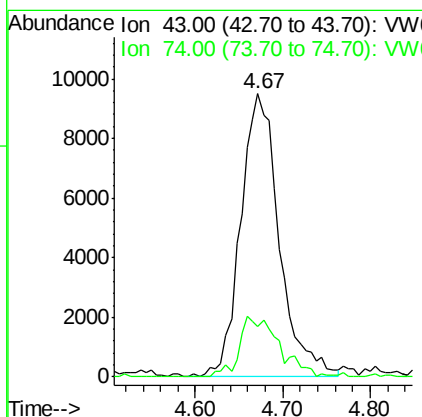
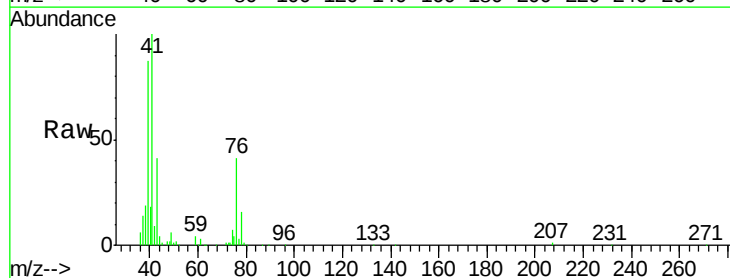
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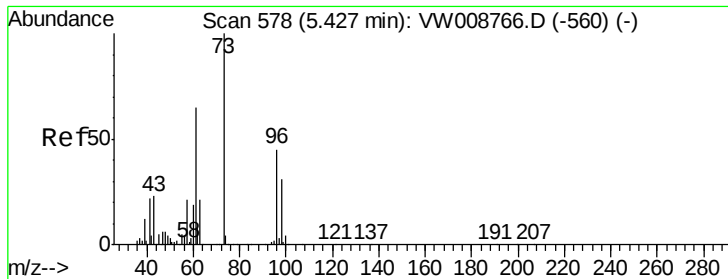
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#18
Methyl Acetate
Concen: 23.136 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	19.4	29.2





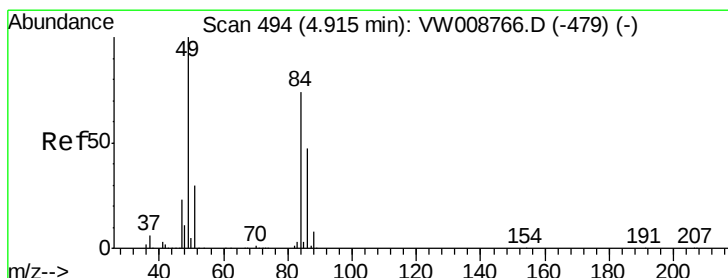
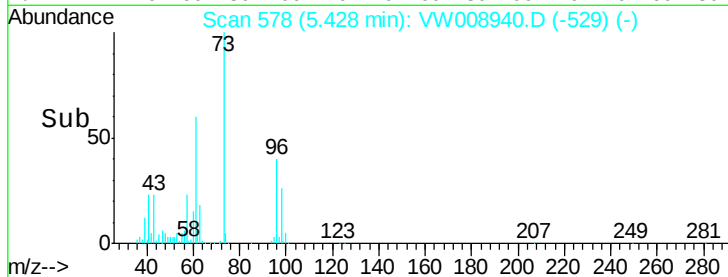
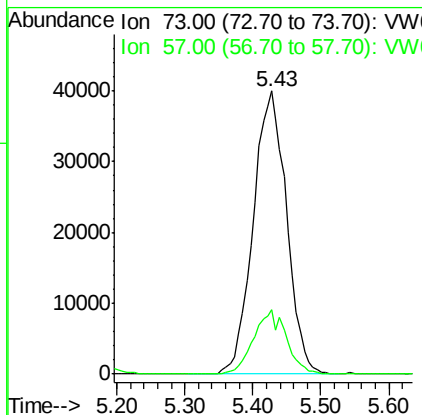
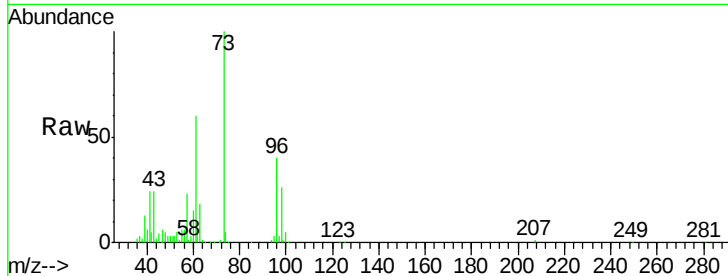
#19
Methyl tert-butyl Ether
Concen: 23.576 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion: 73 Resp: 136568
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2

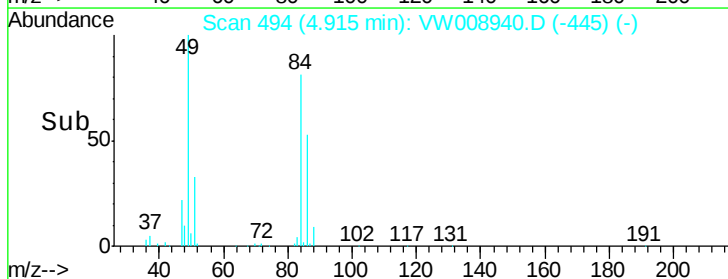
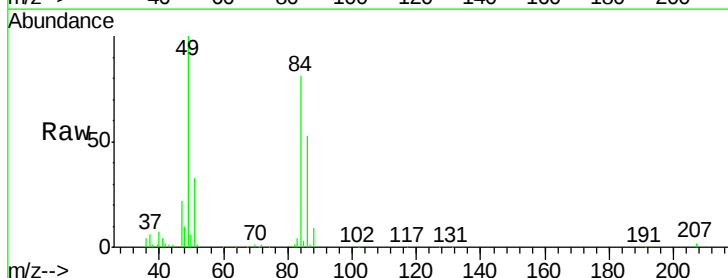
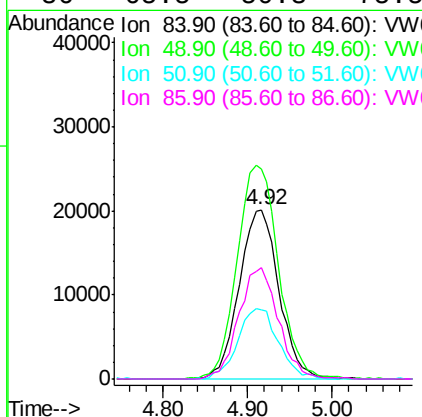
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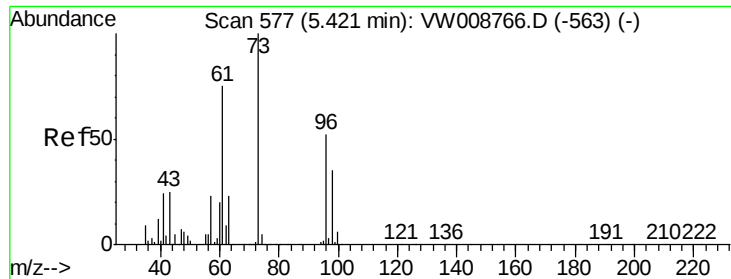
MMDadoda
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#20
Methylene Chloride
Concen: 21.702 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion: 84 Resp: 64378
Ion Ratio Lower Upper
84 100
49 123.3 108.2 162.2
51 41.0 32.7 49.1
86 65.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 21.610 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

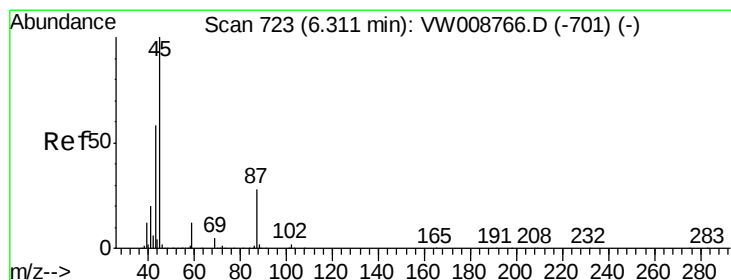
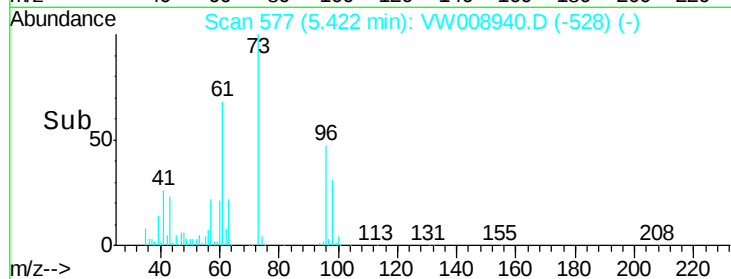
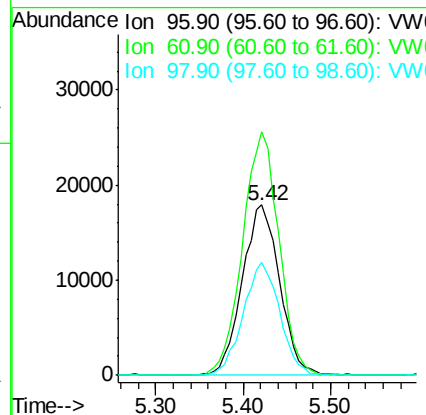
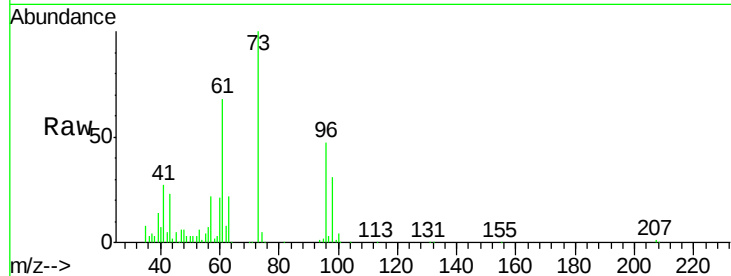
ClientSampleId :

VW0302SBS02

Tot Ion:	96	Resp:	53496
Ion	Ratio	Lower	Upper
96	100		
61	143.0	114.6	171.8
98	66.1	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.690 ug/l

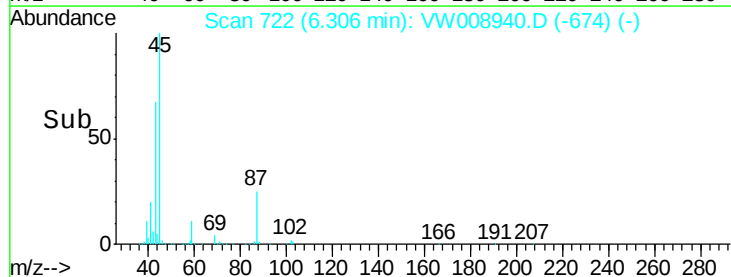
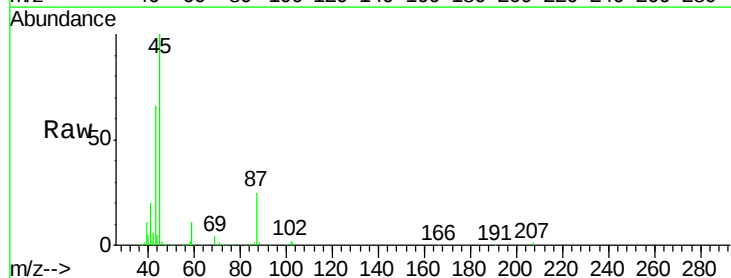
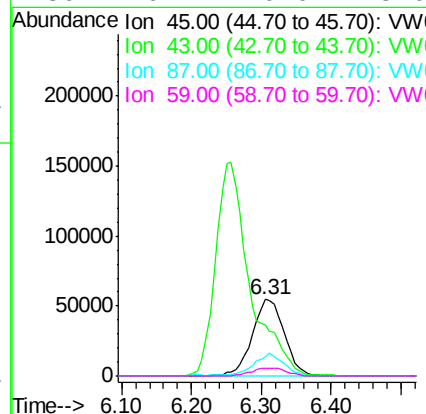
RT: 6.31 min Scan# 722

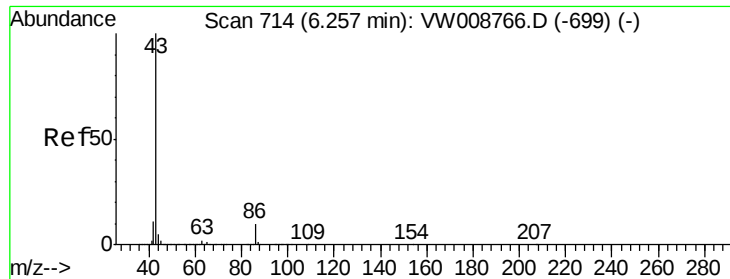
Delta R.T. -0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion:	45	Resp:	174551
Ion	Ratio	Lower	Upper
45	100		
43	65.7	46.1	69.1
87	25.1	22.2	33.4
59	10.7	10.0	15.0





#23

Vinyl Acetate

Concen: 114.900 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 43 Resp: 523073

Ion Ratio Lower Upper

43 100

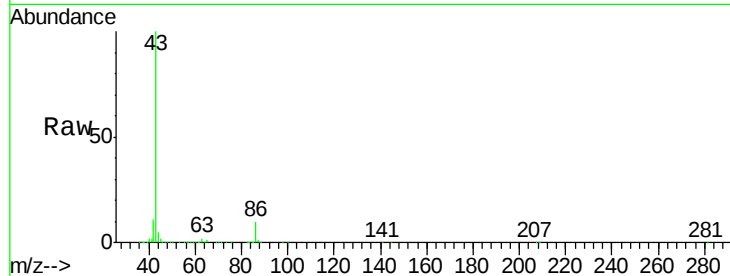
86 10.0 8.1 12.1

Manual Integrations

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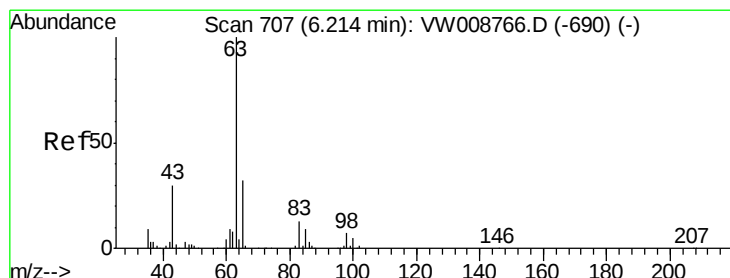
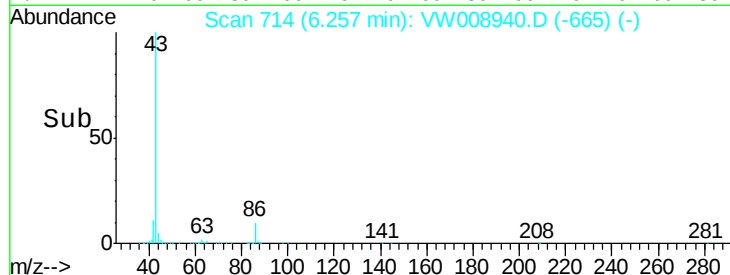
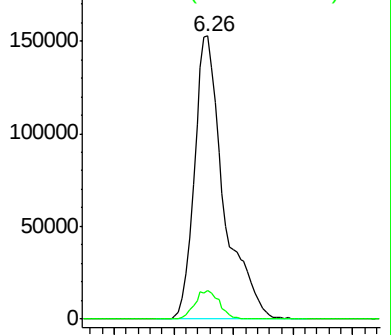
MMDadoda

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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: 23.010 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

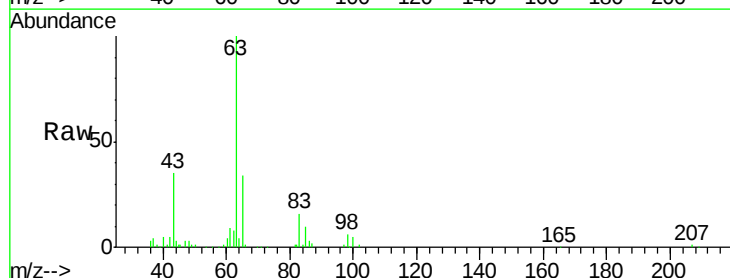
Tgt Ion: 63 Resp: 98246

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.6

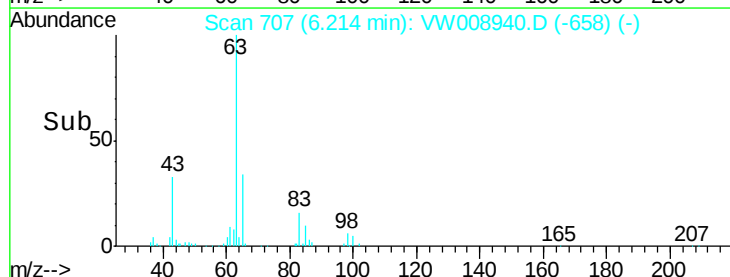
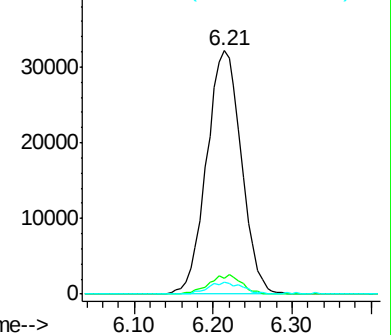
100 4.4 2.4 7.2

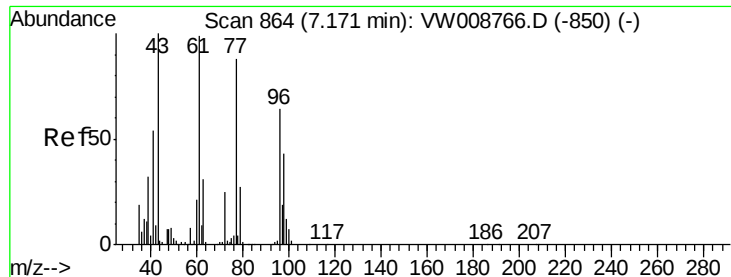


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 107.704 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 43 Resp: 80014

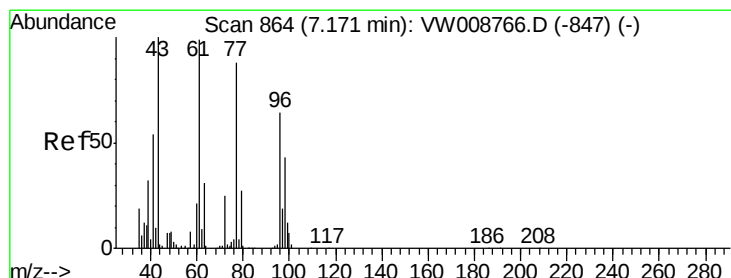
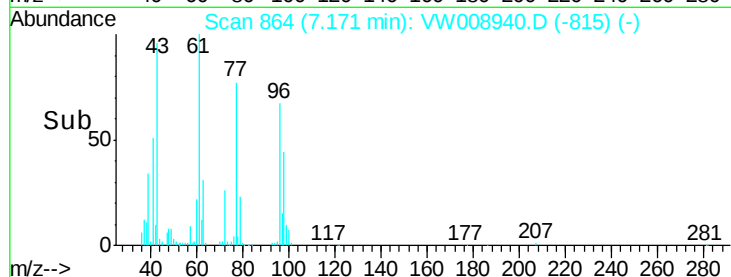
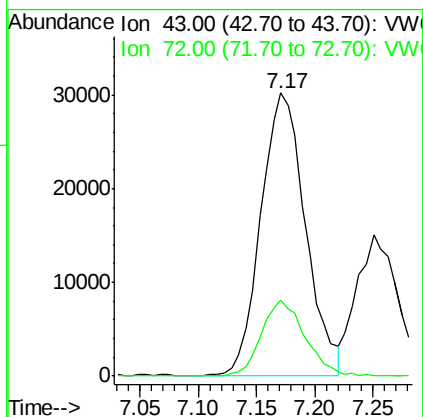
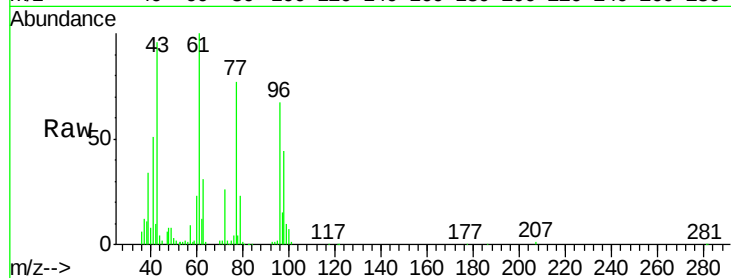
Ion Ratio Lower Upper

43 100

72 26.7 19.7 29.5

Manual Integrations
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3/5/2019 4:05:22 AM



#26

2,2-Dichloropropane

Concen: 18.460 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008940.D

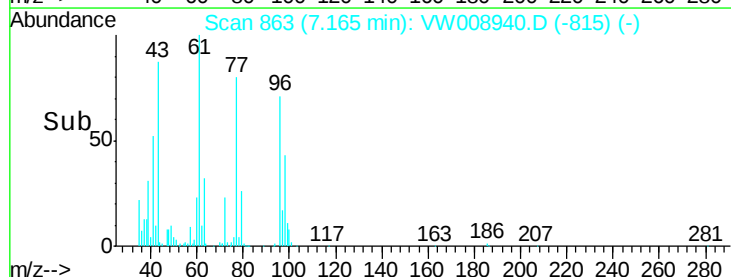
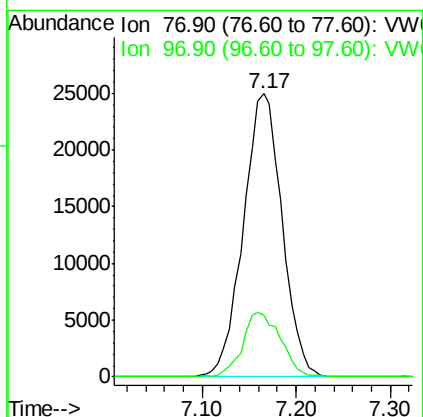
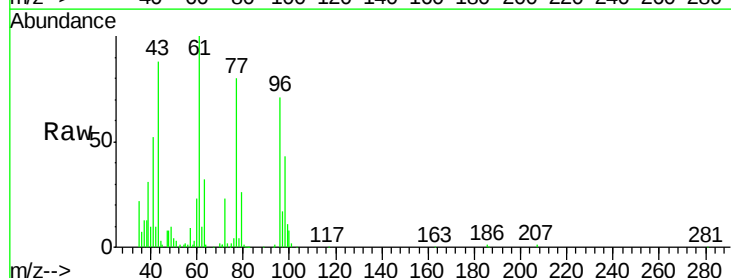
Acq: 02 Mar 2019 01:03

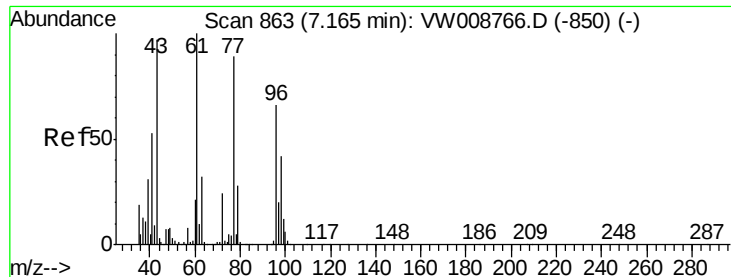
Tgt Ion: 77 Resp: 71558

Ion Ratio Lower Upper

77 100

97 22.5 11.0 33.0





#27

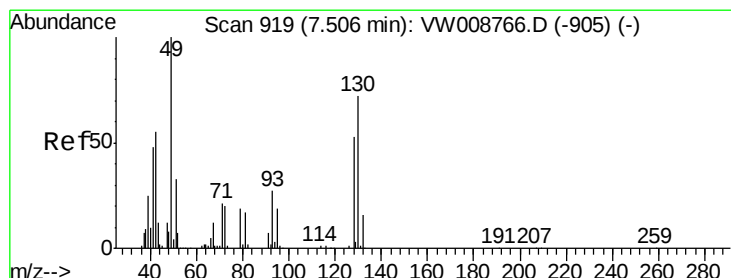
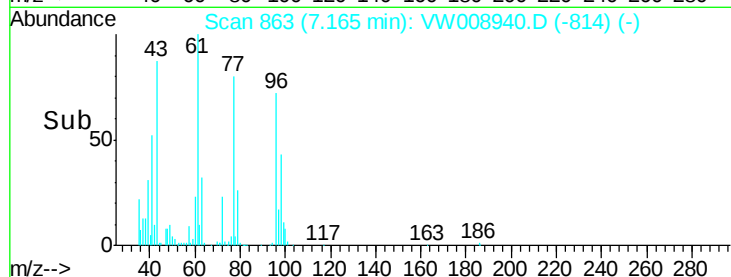
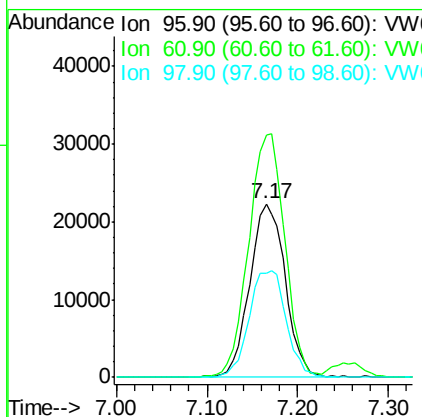
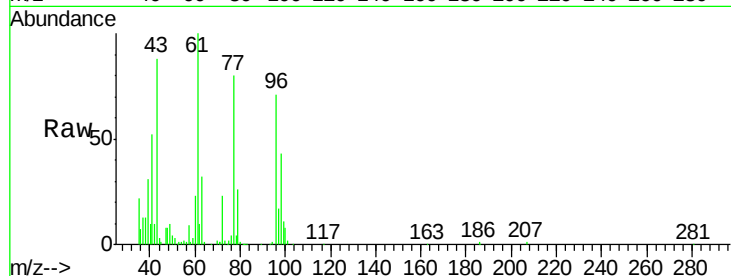
cis-1,2-Dichloroethene
Concen: 22.835 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	302.6
98	63.8	0.0	130.0

Manual Integrations
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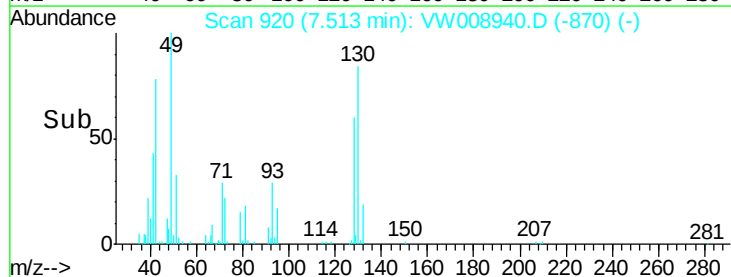
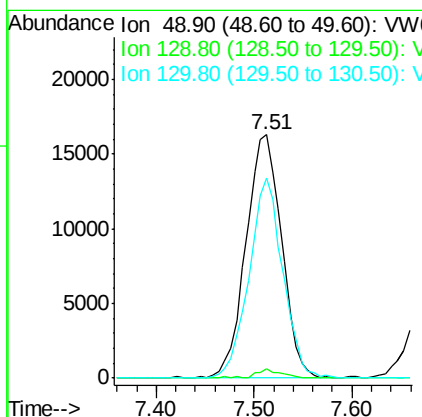
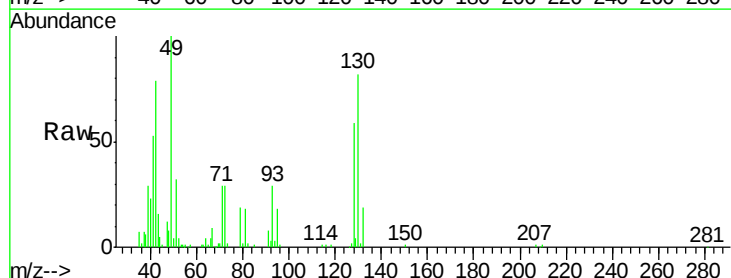
MMDadoda
3/5/2019 4:05:22 AM

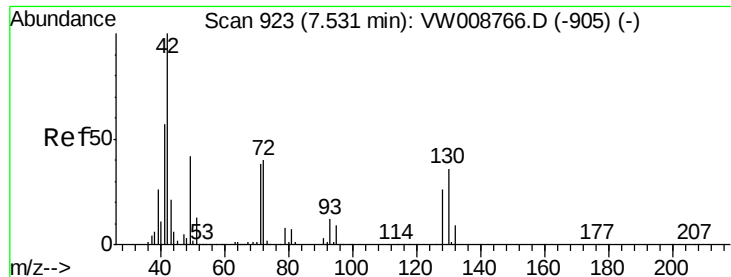


#28

Bromochloromethane
Concen: 23.108 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	2.6
130	77.8	61.3	91.9





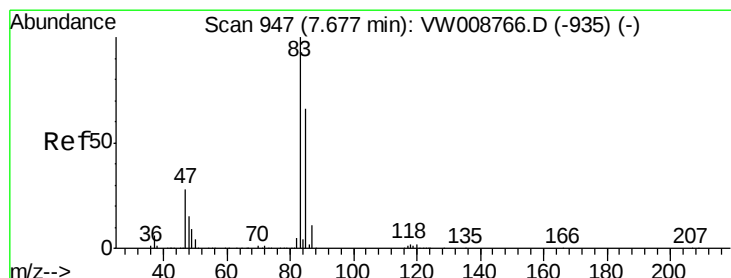
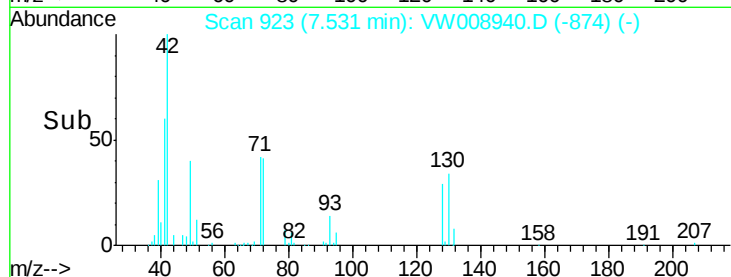
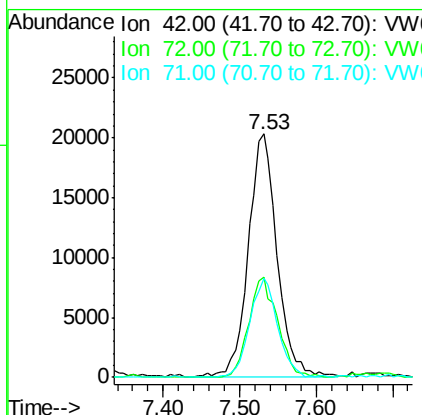
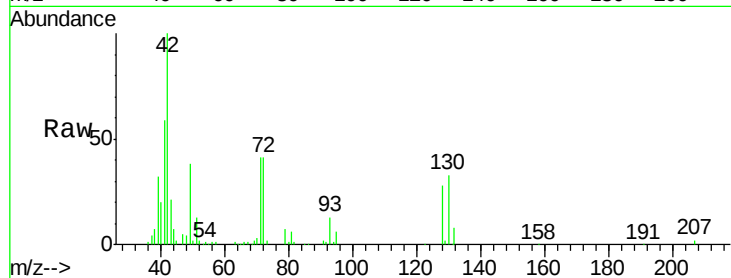
#29
Tetrahydrofuran
Concen: 113.265 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.7	49.1
71	39.1	31.3	46.9

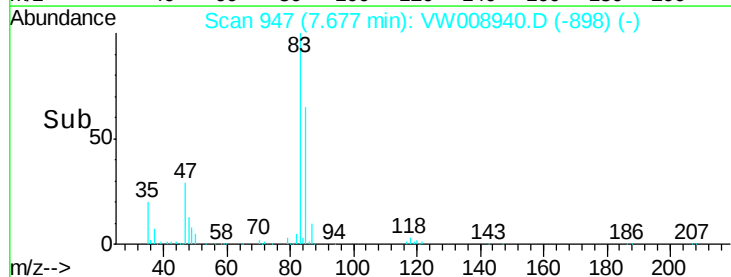
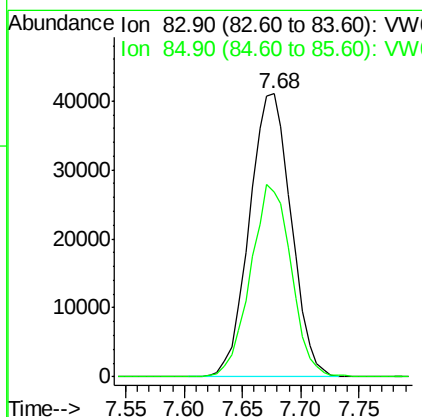
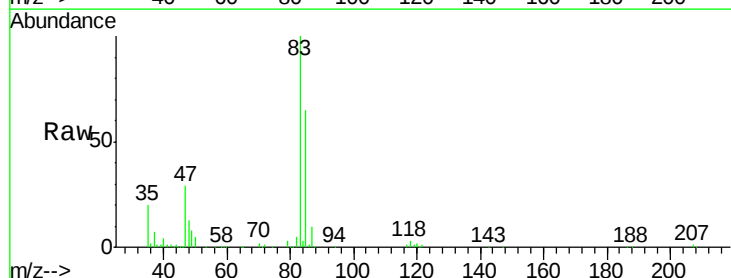
Manual Integrations
APPROVED

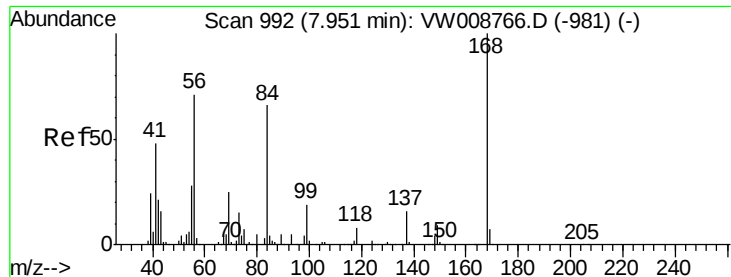
MMDadoda
3/5/2019 4:05:22 AM



#30
Chloroform
Concen: 23.277 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	79.0





#31

Cyclohexane

Concen: 20.158 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

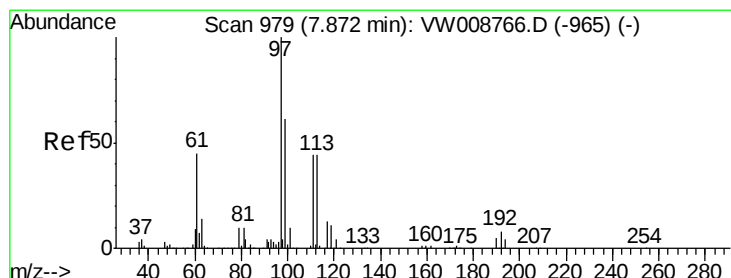
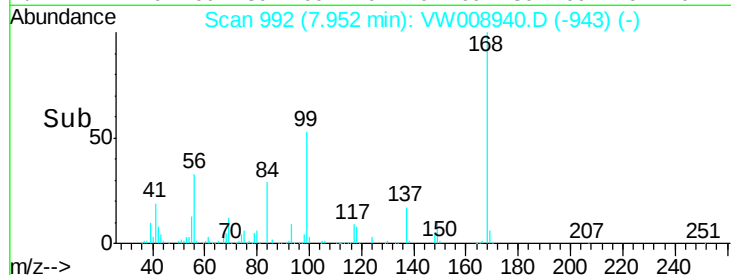
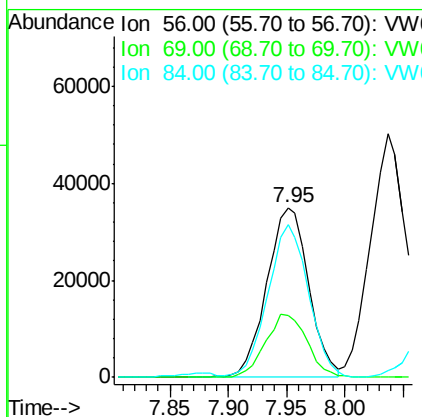
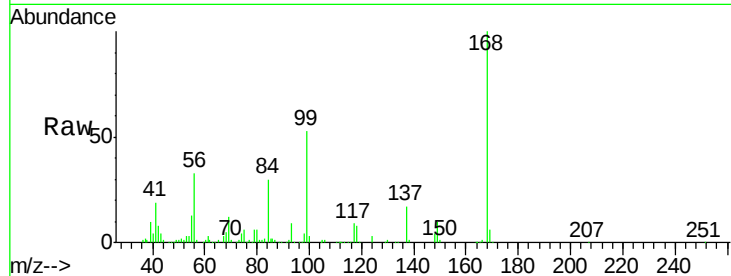
ClientSampleId :

VW0302SBS02

Tot Ion:	56	Resp:	87122
Ion	Ratio	Lower	Upper
56	100		
69	36.2	28.2	42.4
84	88.1	74.1	111.1

Manual Integrations
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3/5/2019 4:05:22 AM



#32

1,1,1-Trichloroethane

Concen: 22.407 ug/l

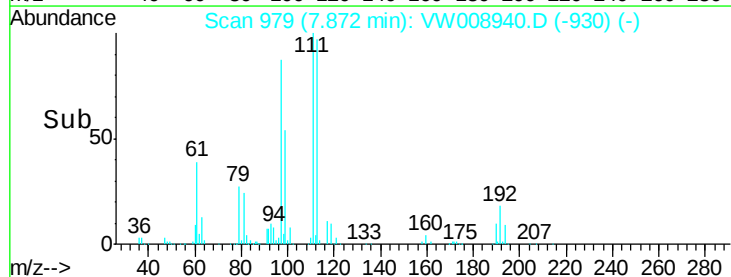
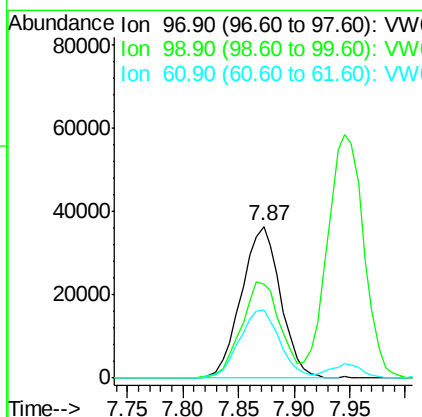
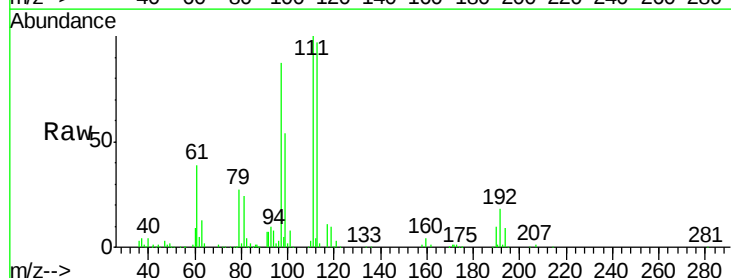
RT: 7.87 min Scan# 979

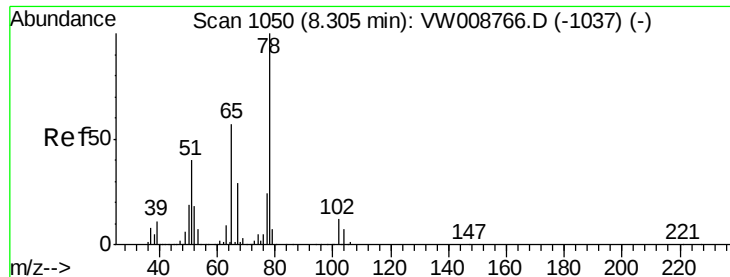
Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion:	97	Resp:	89254
Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.8	76.2
61	46.5	36.0	54.0





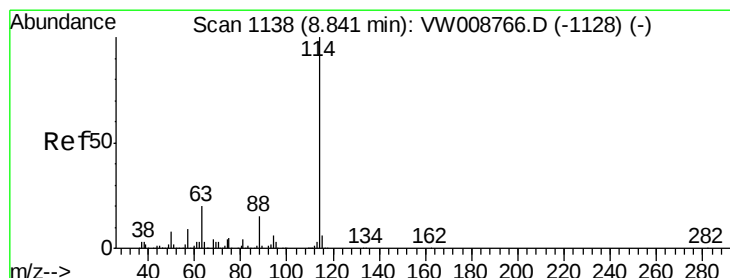
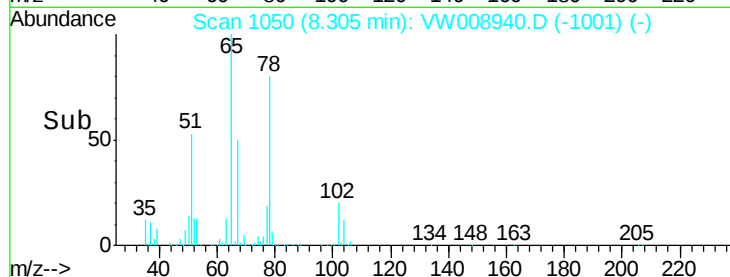
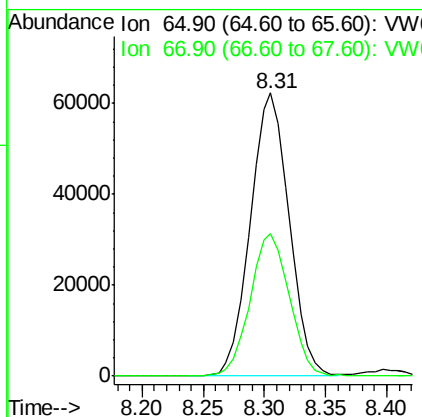
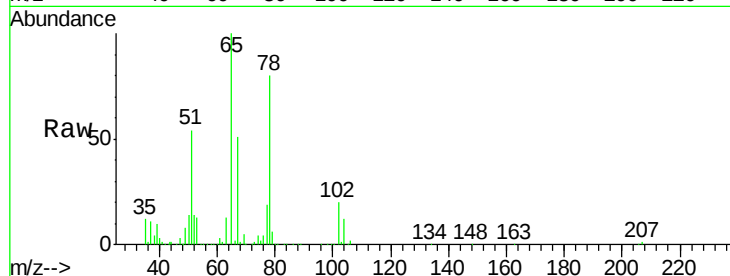
#33
 1,2-Dichloroethane-d4
 Concen: 59.847 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137198		
67	51.1	0.0	101.4	

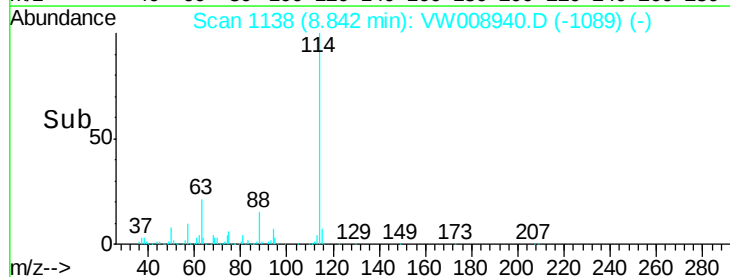
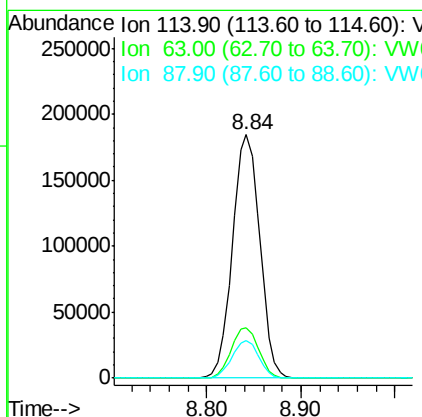
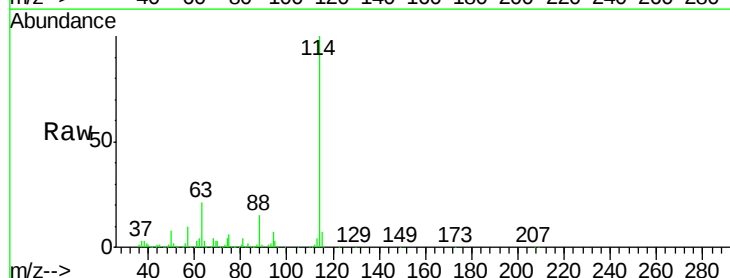
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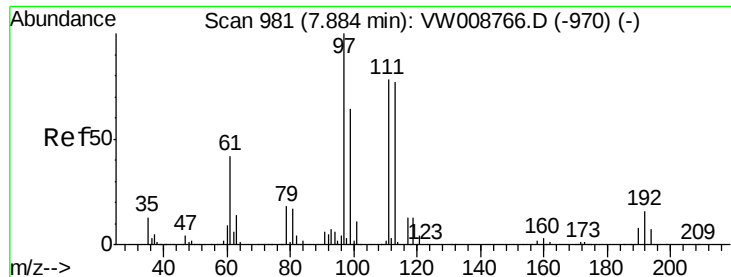
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 3/5/2019 4:05:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	371845		
63	20.6	0.0	40.8	
88	15.5	0.0	30.4	





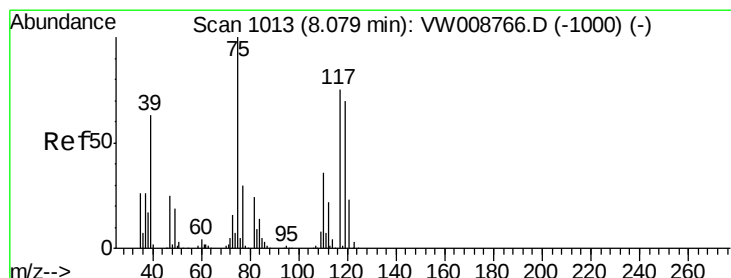
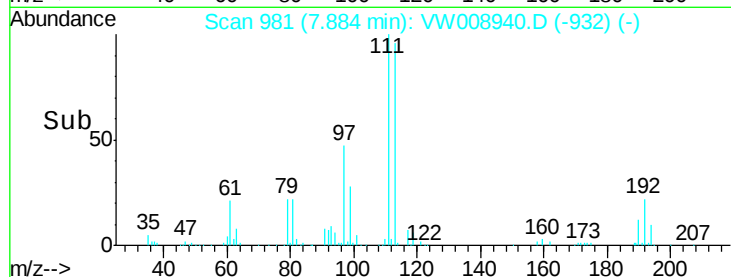
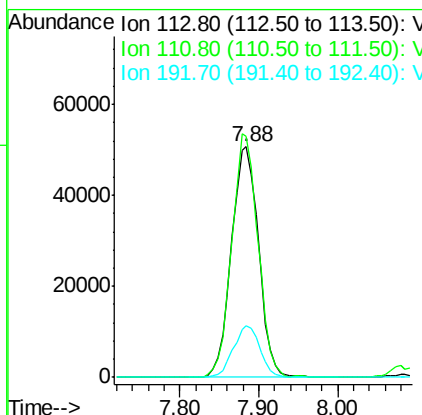
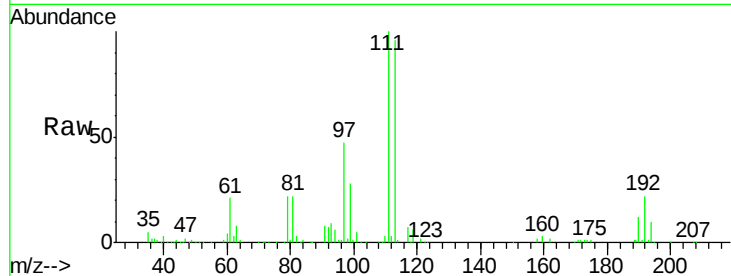
#35
 Dibromofluoromethane
 Concen: 54.540 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121765		
111	101.3	81.9	122.9	
192	21.8	17.1	25.7	

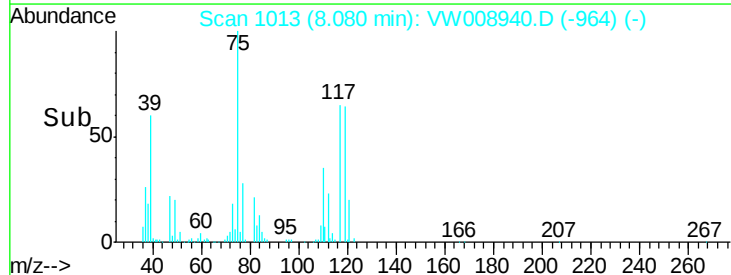
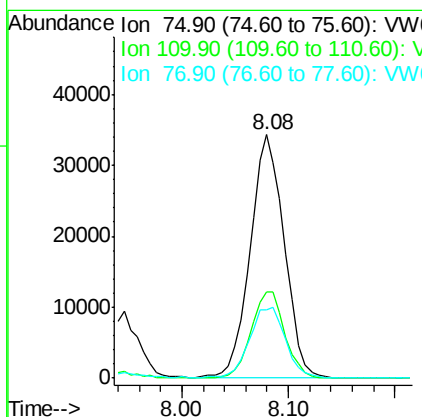
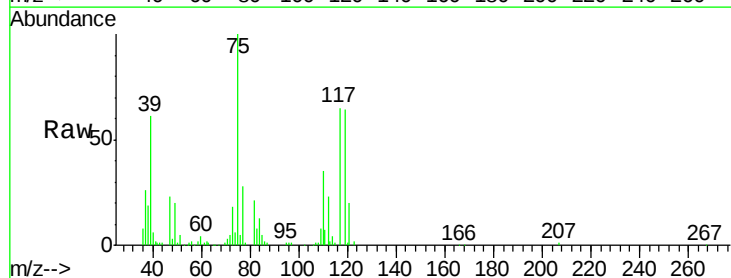
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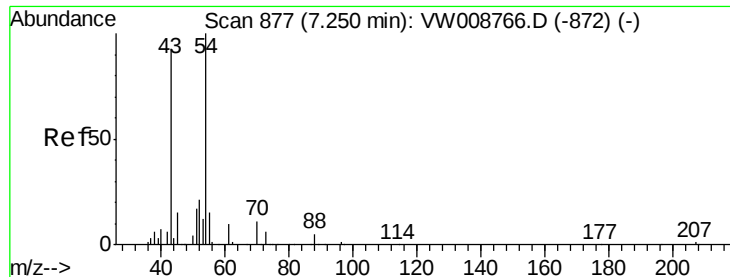
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 3/5/2019 4:05:22 AM



#36
 1,1-Dichloropropene
 Concen: 21.293 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77074		
110	35.0	17.5	52.6	
77	30.8	24.5	36.7	





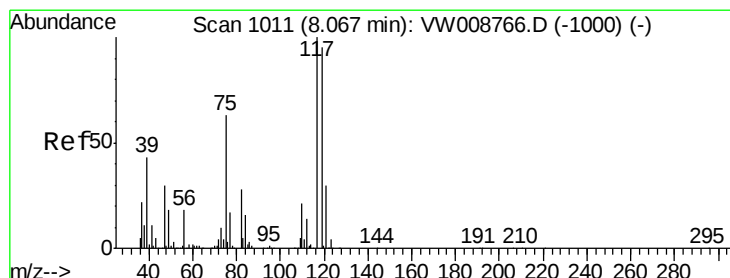
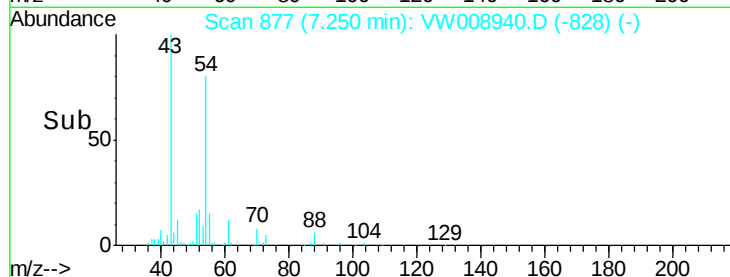
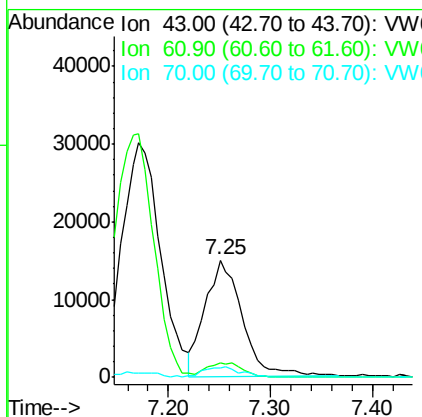
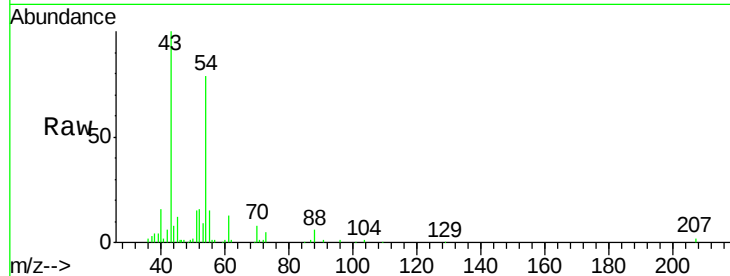
#37
Ethyl Acetate
Concen: 22.536 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	9.4	8.4	12.6

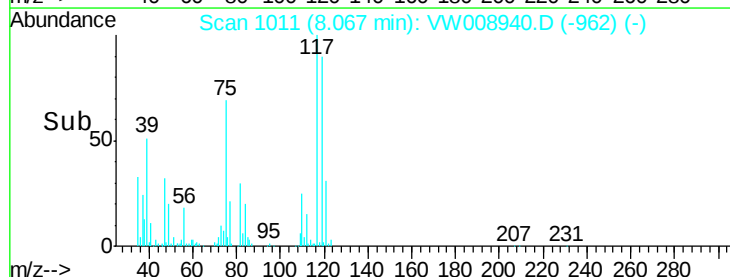
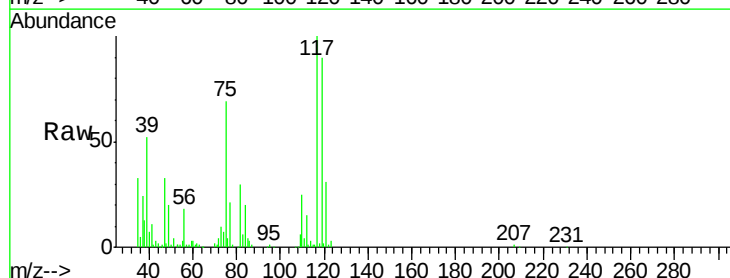
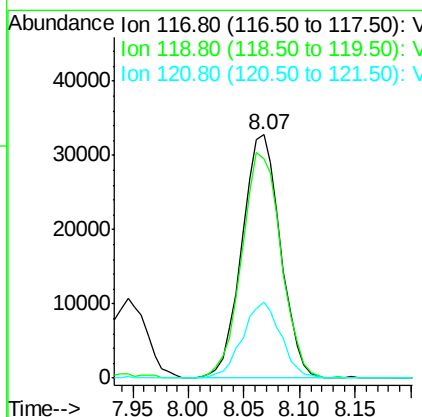
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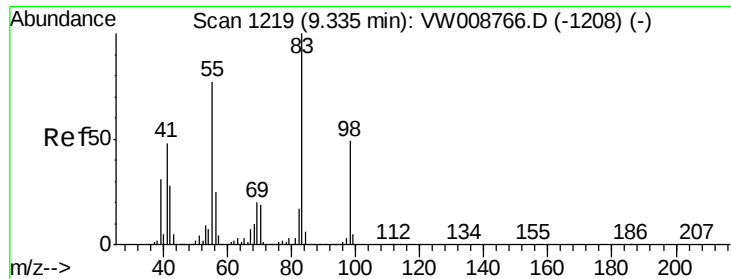
MMDadoda
3/5/2019 4:05:22 AM



#38
Carbon Tetrachloride
Concen: 20.693 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	76.1	114.1
121	31.0	24.0	36.0





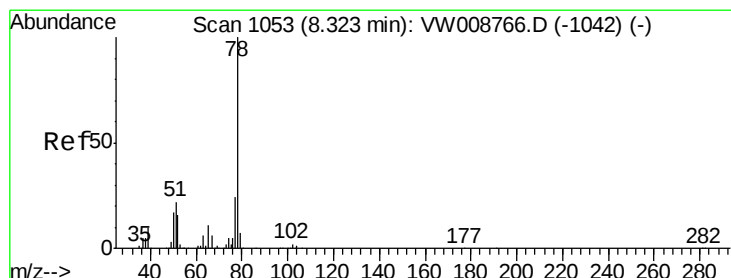
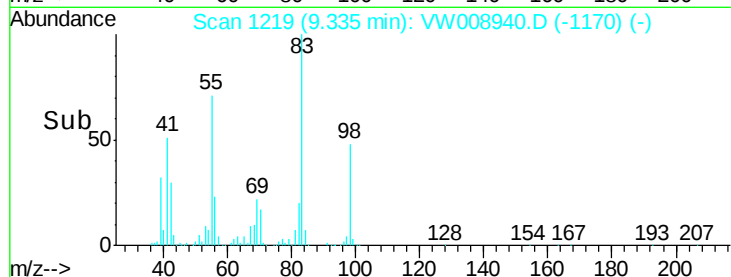
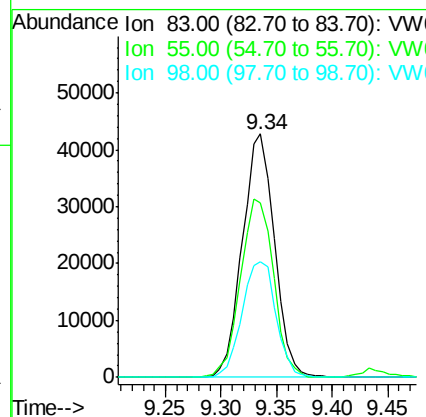
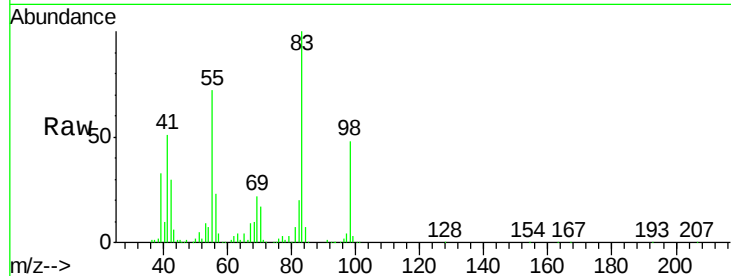
#39
Methvlcvclohexane
Concen: 18.980 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	83	Resp	85691
Ion Ratio	100	Lower	Upper
83	100		
55	71.5	61.2	91.8
98	47.6	39.4	59.2

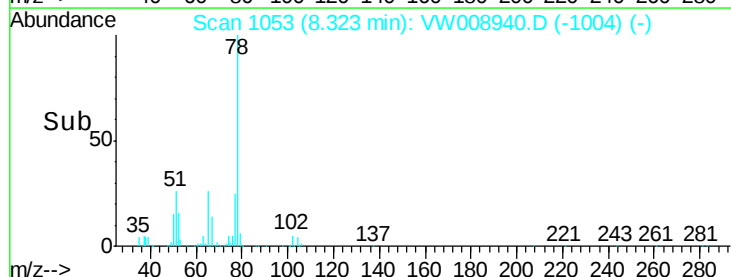
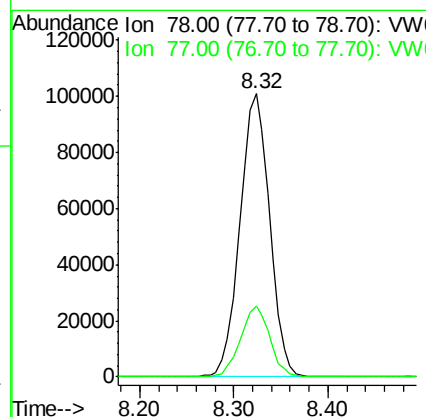
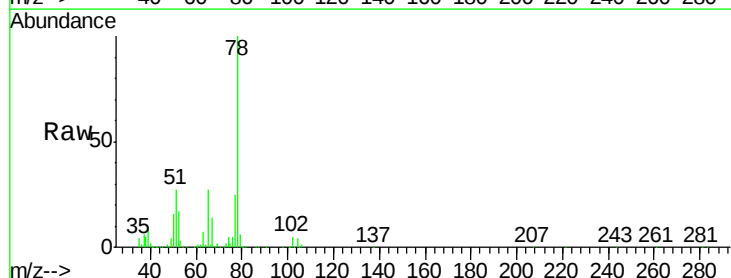
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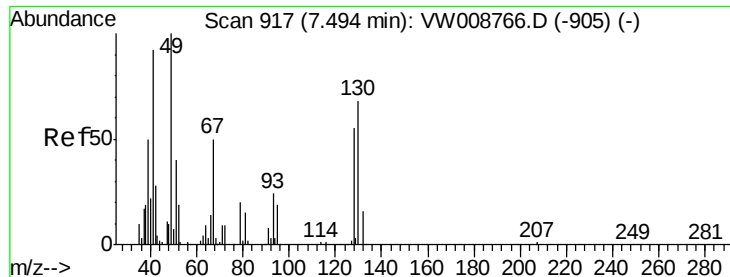
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#40
Benzene
Concen: 22.392 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	78	Resp	221295
Ion Ratio	100	Lower	Upper
78	100		
77	25.2	19.3	28.9





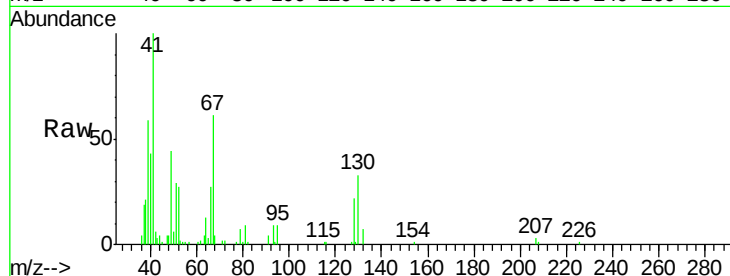
#41
Methacrylonitrile
Concen: 21.112 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

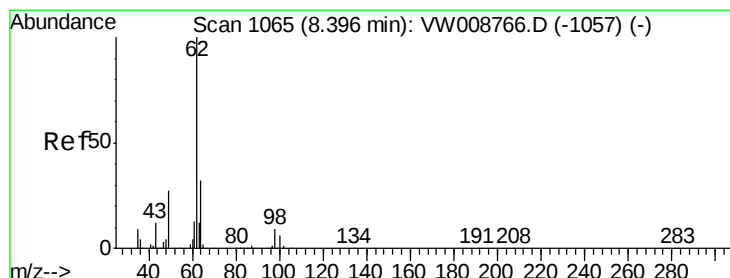
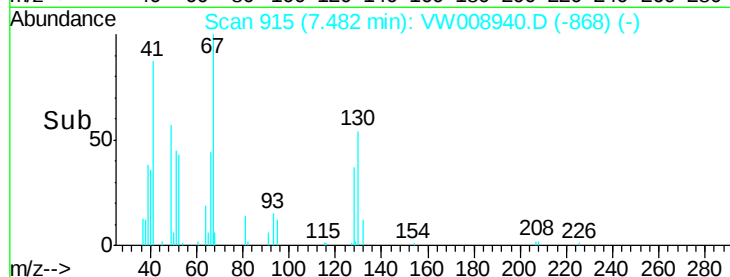
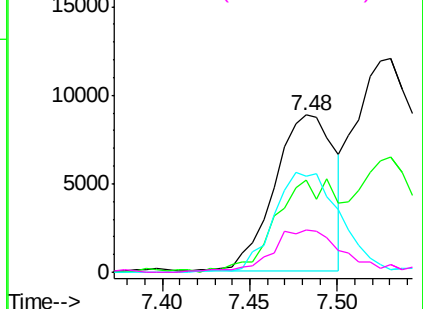
Tot Ion	41	Resp	20889
Ion	Ratio	Lower	Upper
41	100		
39	58.8	52.5	78.7
67	73.0	55.0	82.6
52	33.3	26.9	40.3

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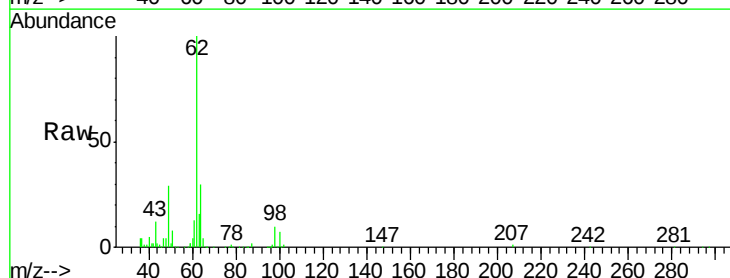


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

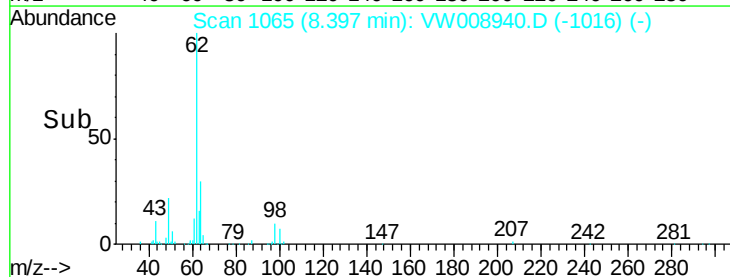
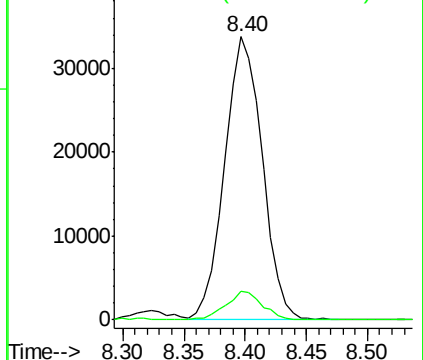


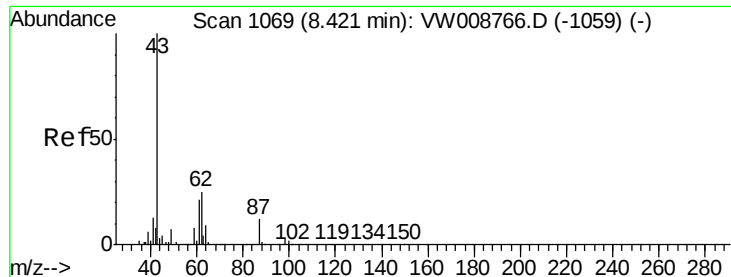
#42
1,2-Dichloroethane
Concen: 23.062 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	62	Resp	72198
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.937 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

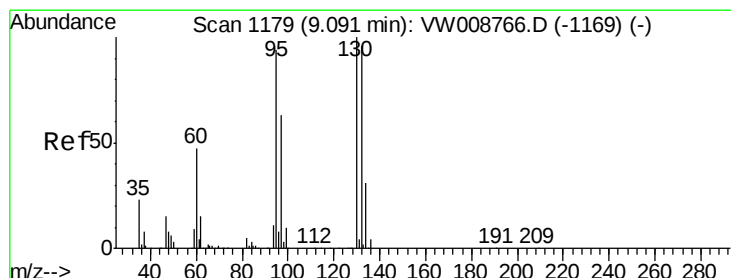
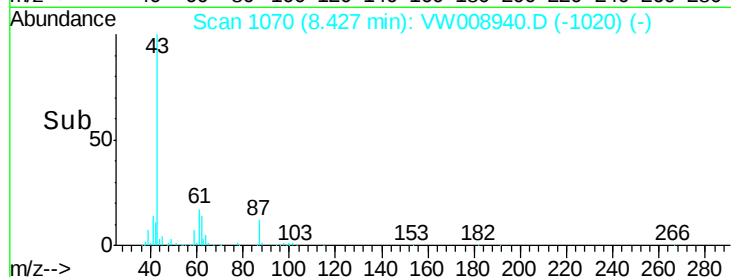
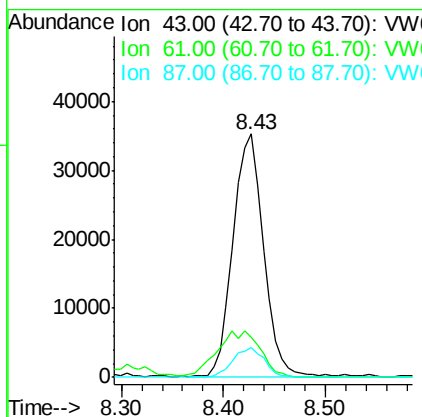
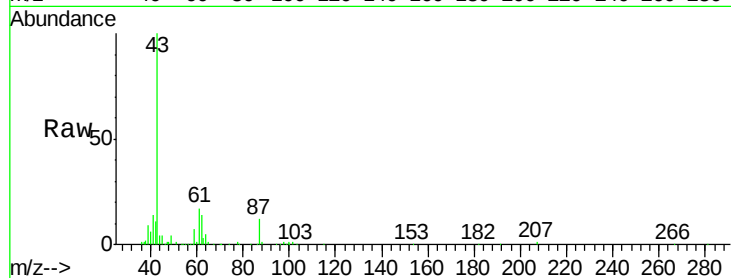
ClientSampleId :

VW0302SBS02

Tot Ion:	43	Resp:	73695
Ion	Ratio	Lower	Upper
43	100		
61	27.2	23.2	34.8
87	12.5	9.9	14.9

Manual Integrations
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3/5/2019 4:05:22 AM



#44

Trichloroethene

Concen: 22.470 ug/l

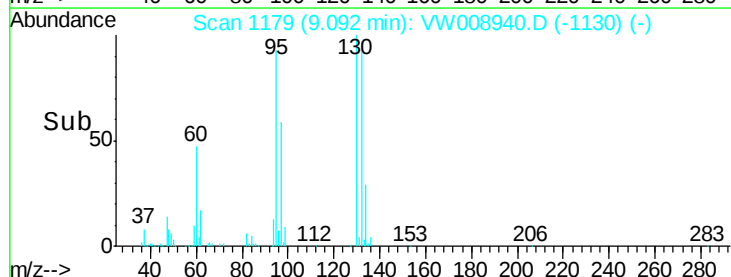
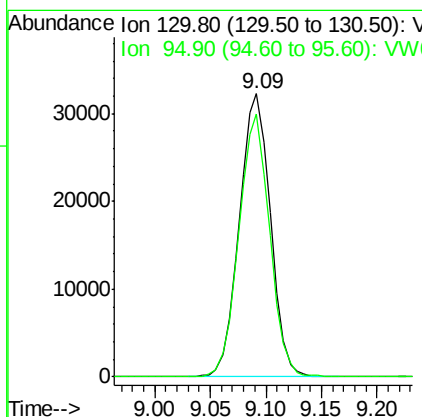
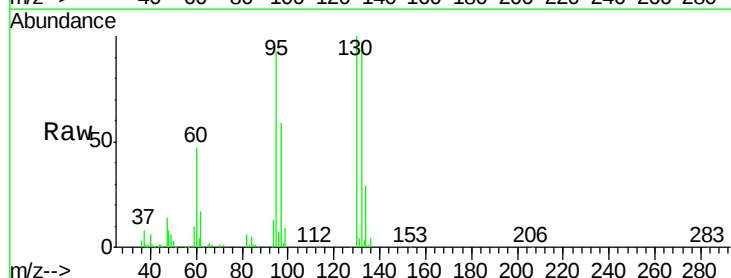
RT: 9.09 min Scan# 1179

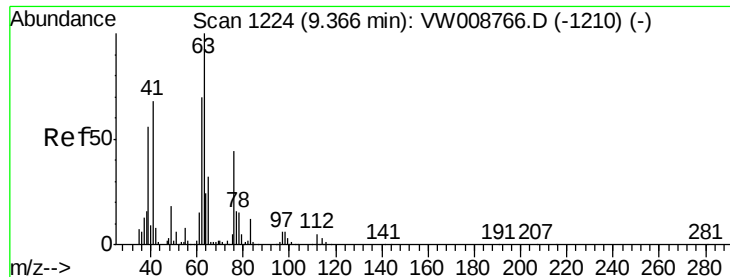
Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion:	130	Resp:	62559
Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	188.6





#45

1,2-Dichloropropane

Concen: 23.095 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 63 Resp: 56402

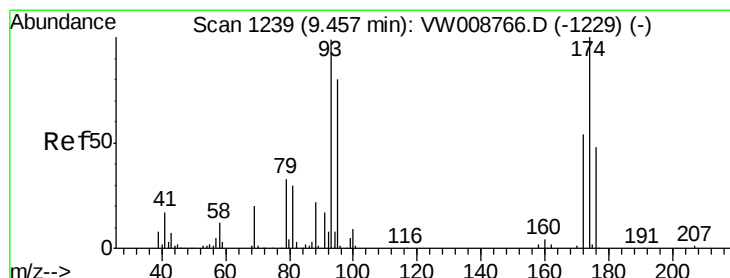
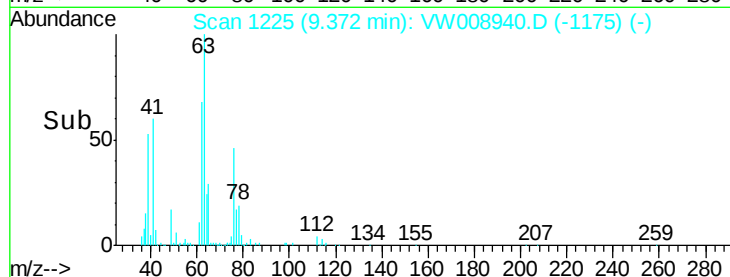
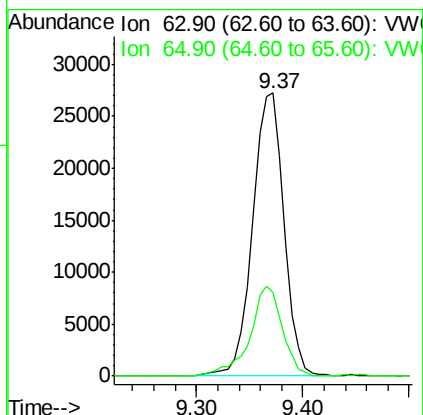
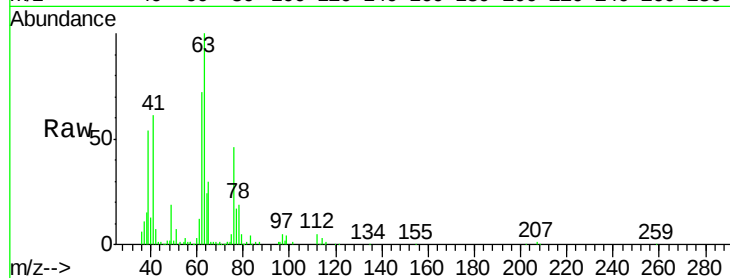
Ion Ratio Lower Upper

63 100

65 29.4 25.5 38.3

Manual Integrations
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MMDadoda
3/5/2019 4:05:22 AM



#46

Dibromomethane

Concen: 22.468 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

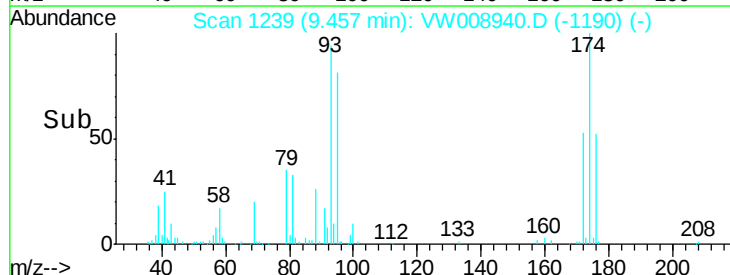
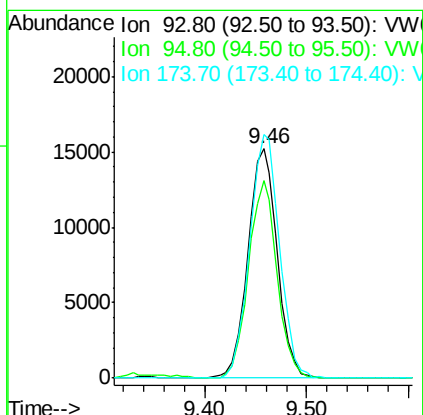
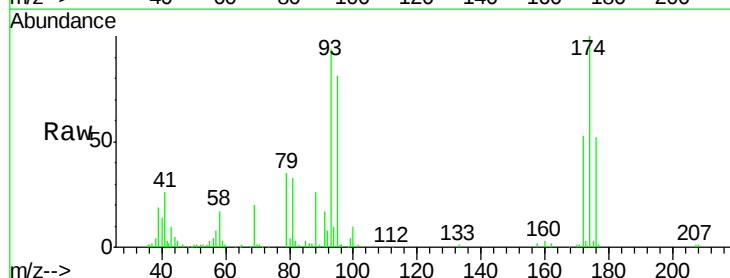
Tgt Ion: 93 Resp: 30522

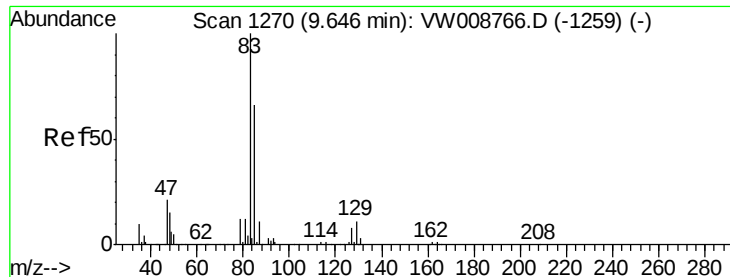
Ion Ratio Lower Upper

93 100

95 83.8 67.7 101.5

174 108.2 86.7 130.1





#47

Bromodichloromethane

Concen: 23.254 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

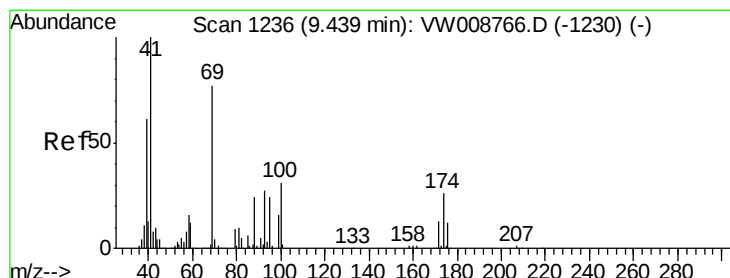
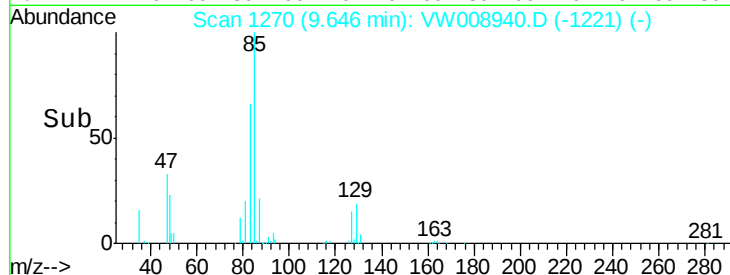
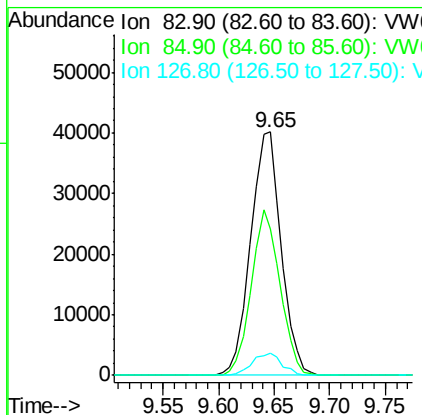
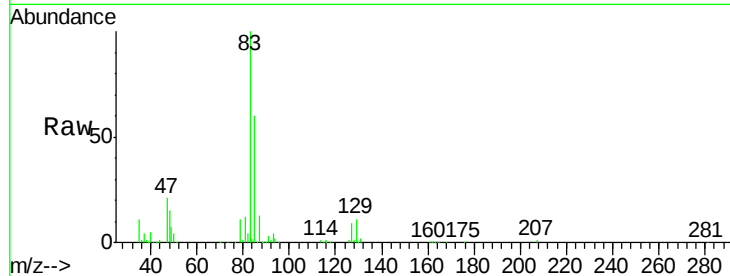
ClientSampleId :

VW0302SBS02

Tot Ion:	83	Resp:	76856
Ion	Ratio	Lower	Upper
83	100		
85	60.2	52.5	78.7
127	8.9	6.7	10.1

Manual Integrations
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3/5/2019 4:05:22 AM



#48

Methyl methacrylate

Concen: 19.795 ug/l

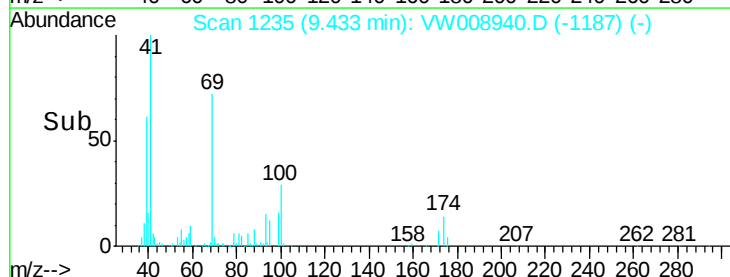
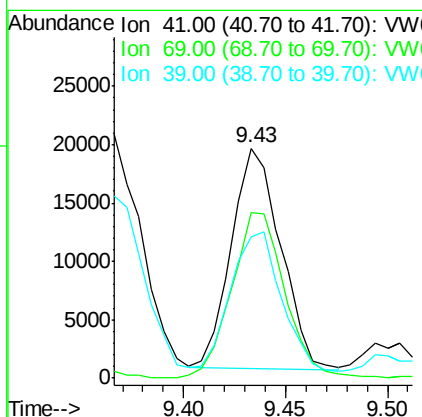
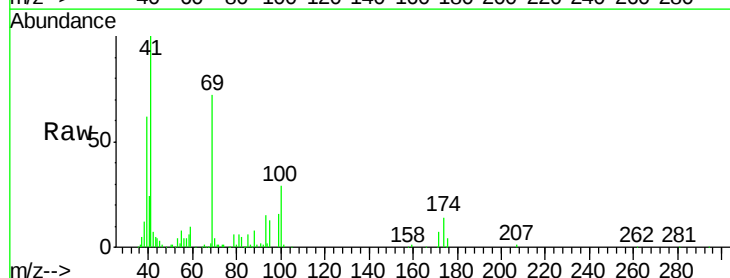
RT: 9.43 min Scan# 1235

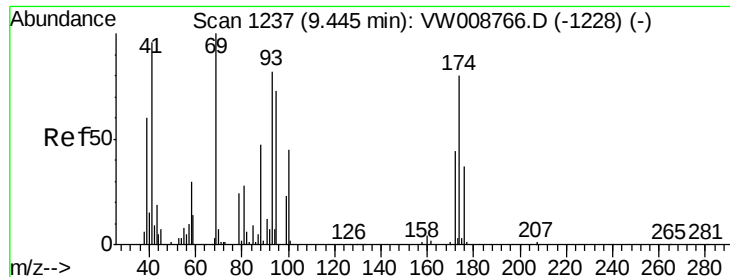
Delta R.T. -0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion:	41	Resp:	31850
Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.6	95.4
39	65.3	52.1	78.1





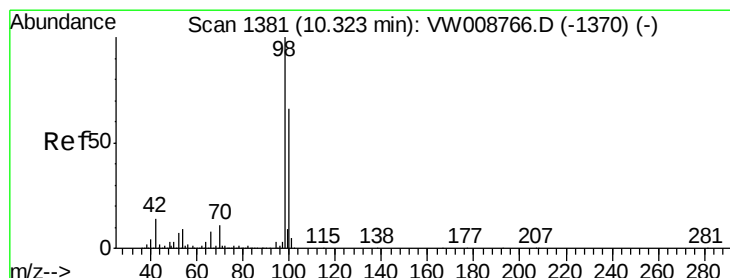
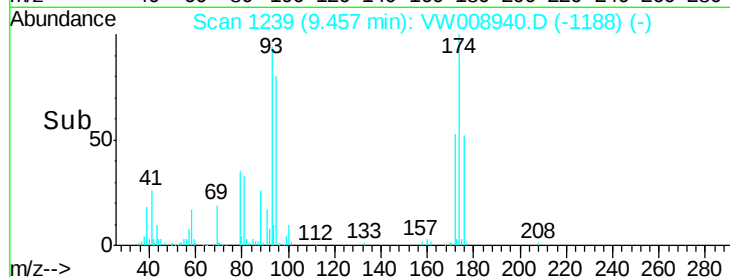
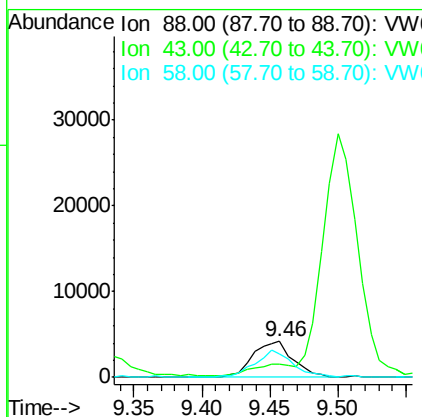
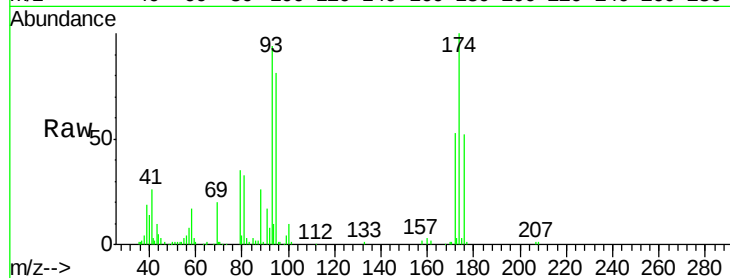
#49
1,4-Dioxane
Concen: 399.372 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	88	Resp	8688
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	70.7	52.0	78.0

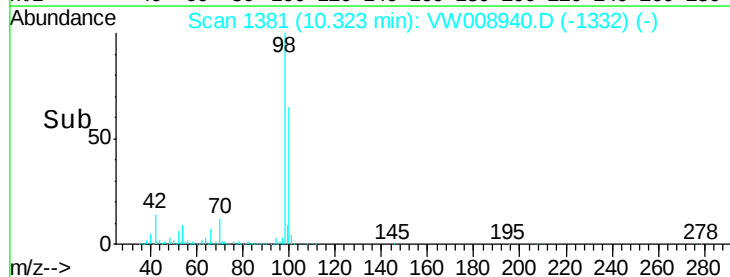
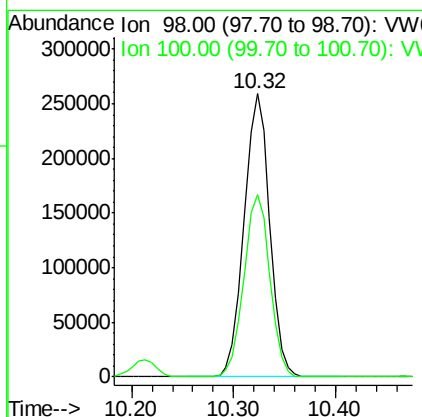
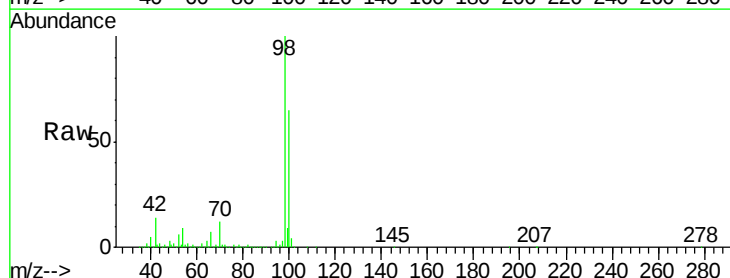
Manual Integrations
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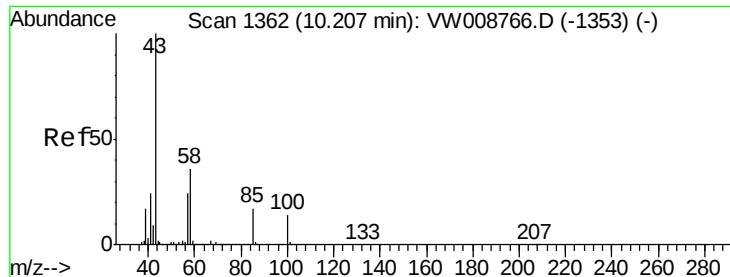
MMDadoda
3/5/2019 4:05:22 AM



#50
Toluene-d8
Concen: 52.394 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	98	Resp	451558
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 106.737 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 43 Resp: 182046

Ion Ratio Lower Upper

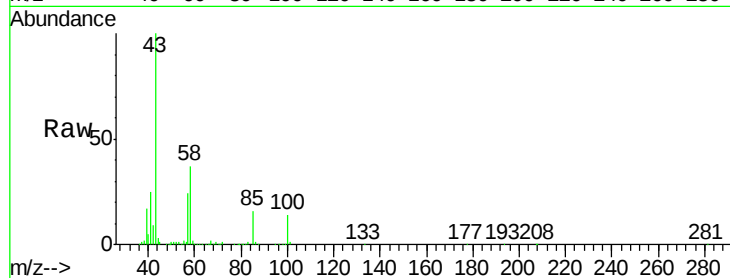
43 100

58 36.4 29.1 43.7

Manual Integrations
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MMDadoda

3/5/2019 4:05:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

120000

100000

80000

60000

40000

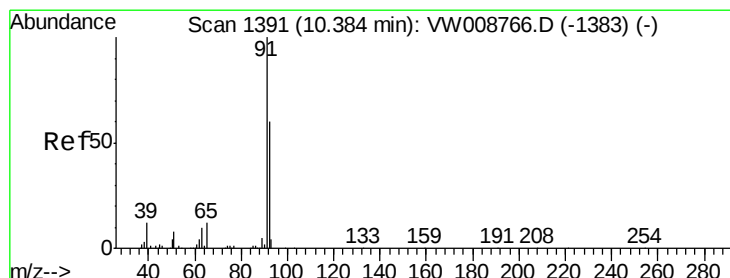
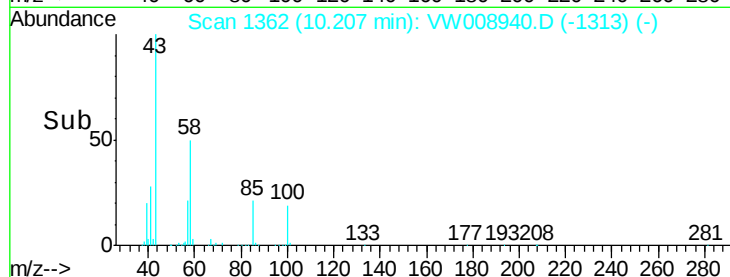
20000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 21.593 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008940.D

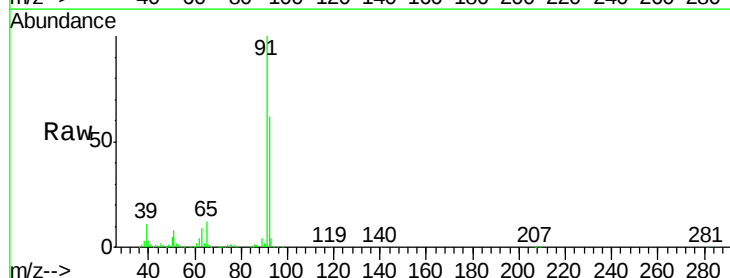
Acq: 02 Mar 2019 01:03

Tgt Ion: 92 Resp: 144830

Ion Ratio Lower Upper

92 100

91 168.4 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

150000

100000

50000

0

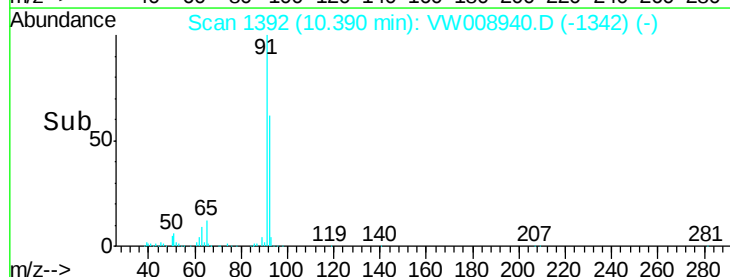
10.30

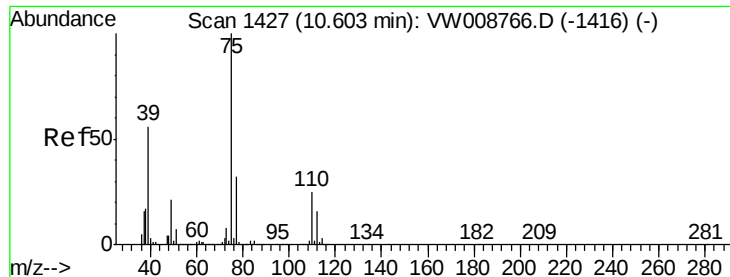
10.35

10.40

10.45

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.332 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampled :

VW0302SBS02

Tot Ion: 75 Resp: 71864

Ion Ratio Lower Upper

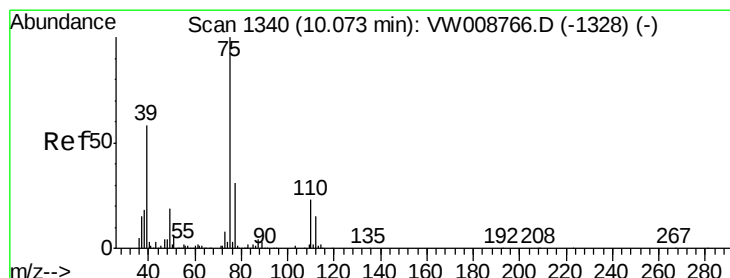
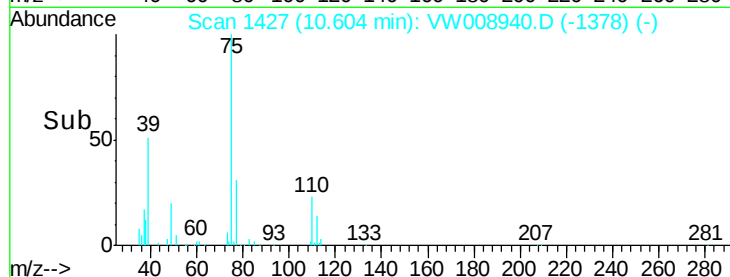
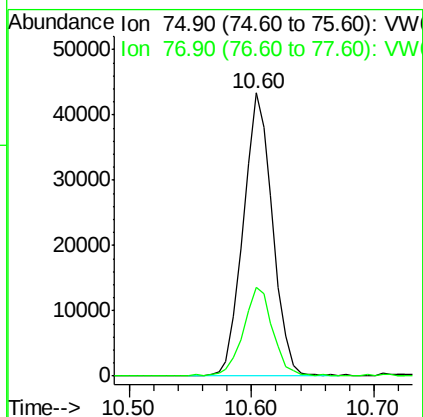
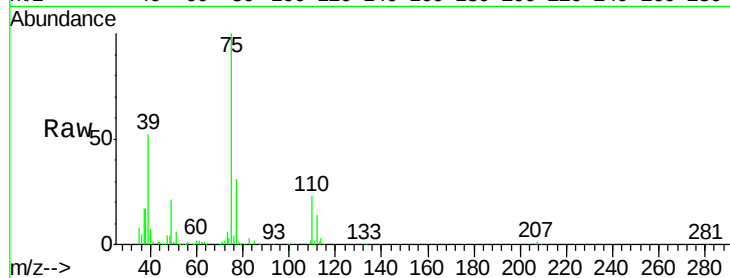
75 100

77 31.0 26.1 39.1

Manual Integrations
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3/5/2019 4:05:22 AM



#54

cis-1,3-Dichloropropene

Concen: 21.837 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

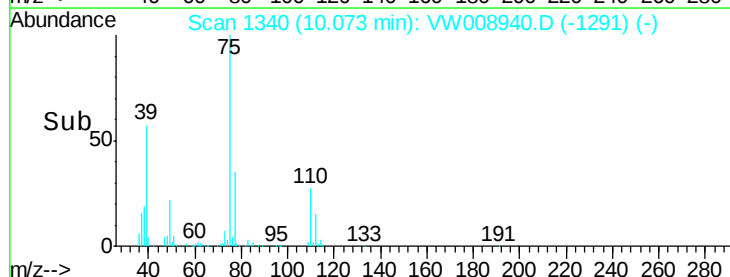
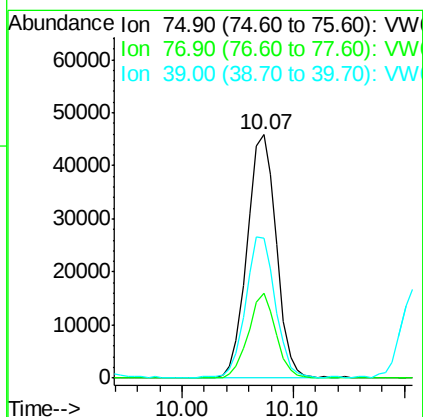
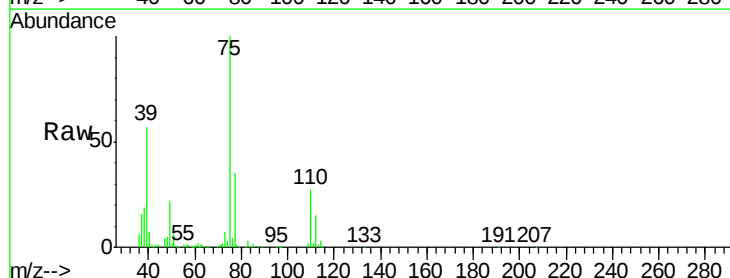
Tgt Ion: 75 Resp: 83900

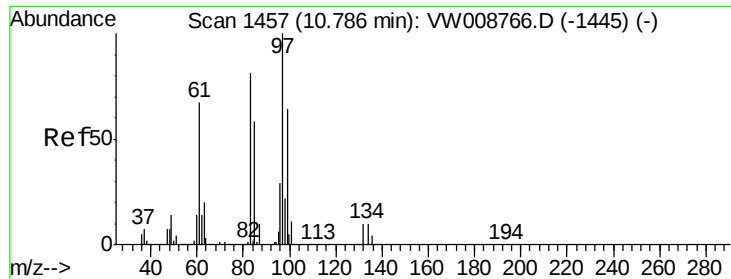
Ion Ratio Lower Upper

75 100

77 35.0 25.0 37.4

39 57.2 46.6 70.0





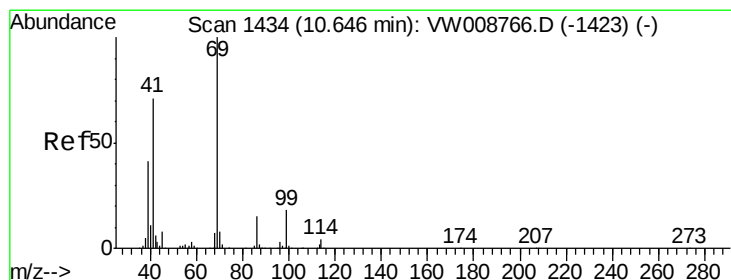
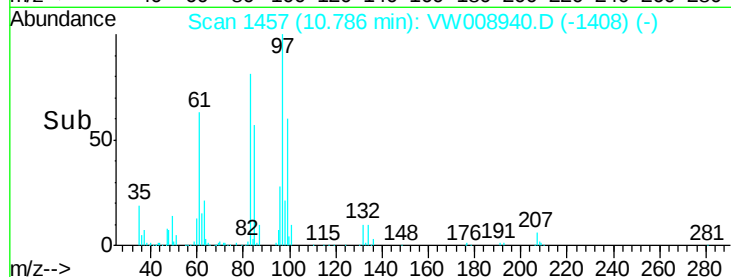
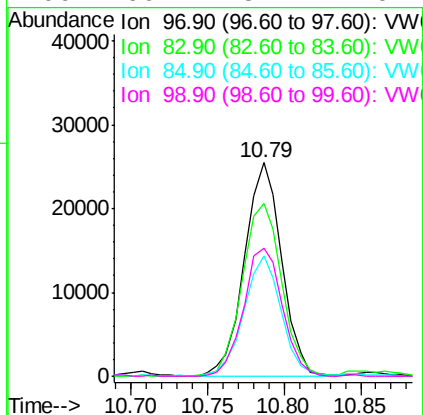
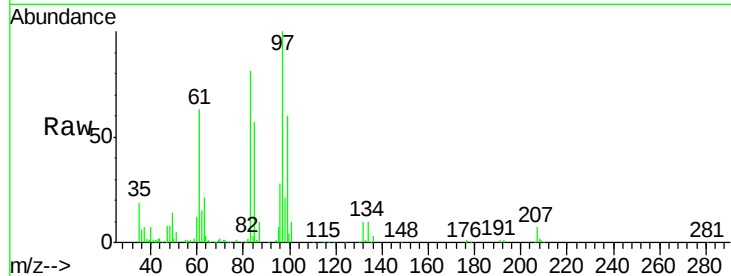
#55
 1,1,2-Trichloroethane
 Concen: 23.444 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		43190		
83	80.7	65.0	97.6		
85	56.6	46.0	69.0		
99	60.1	51.1	76.7		

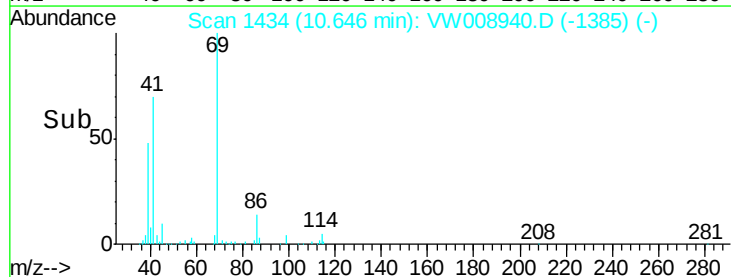
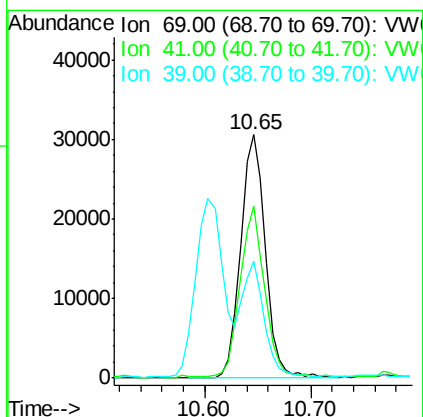
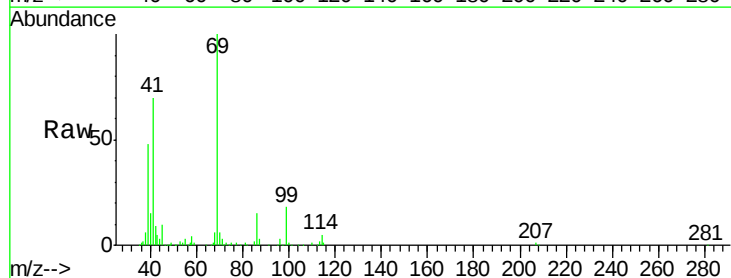
Manual Integrations
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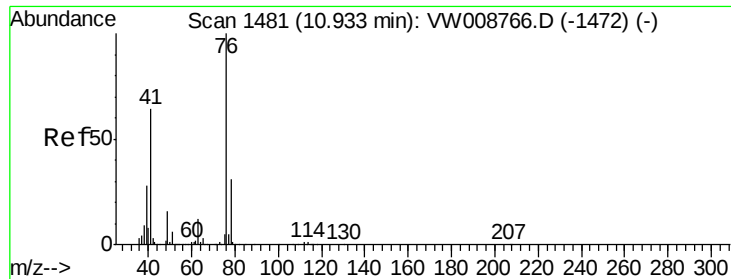
MMDadoda
 3/5/2019 4:05:22 AM



#56
 Ethyl methacrylate
 Concen: 20.924 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		50081		
41	68.0	57.4	86.0		
39	41.9	34.8	52.2		





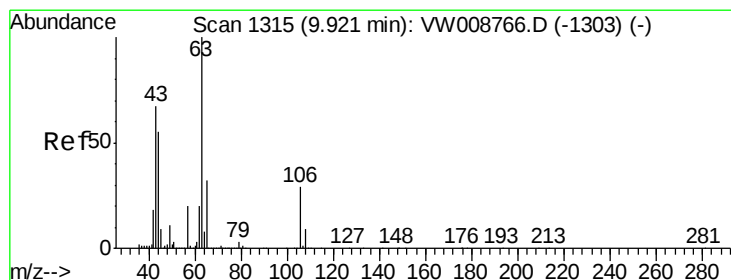
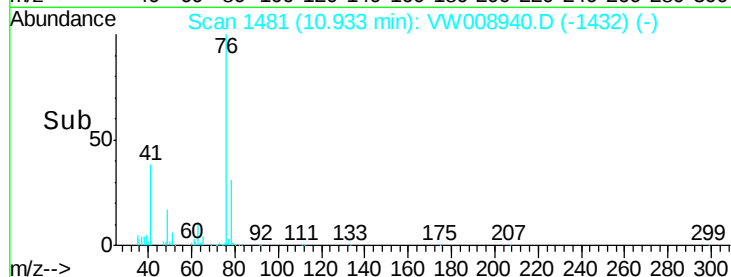
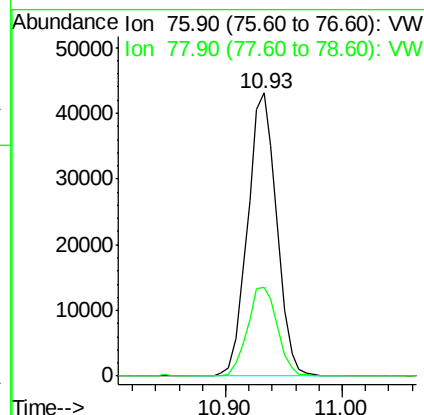
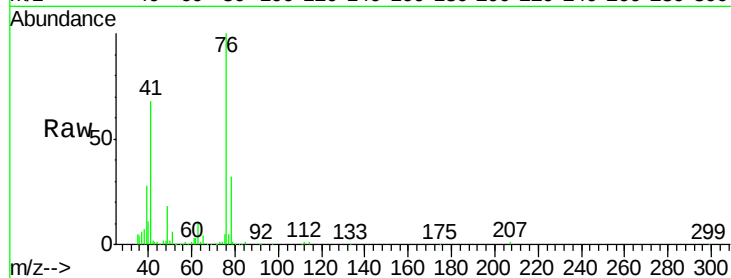
#57
 1,3-Dichloropropane
 Concen: 23.077 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Tot Ion: 76 Resp: 75063
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

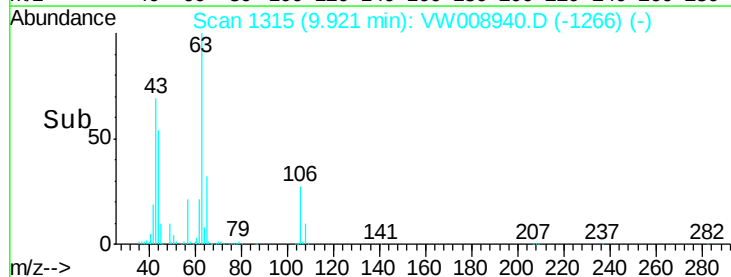
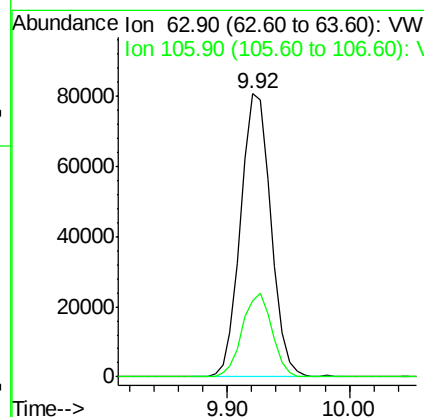
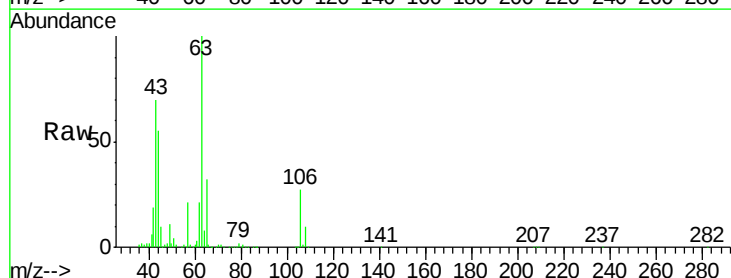
Manual Integrations
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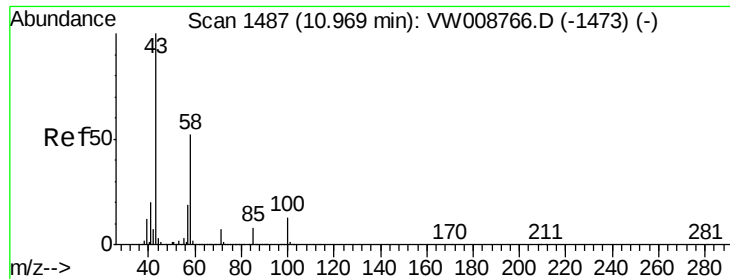
MMDadoda
 3/5/2019 4:05:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.094 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Tgt Ion: 63 Resp: 138549
 Ion Ratio Lower Upper
 63 100
 106 29.0 24.0 36.0





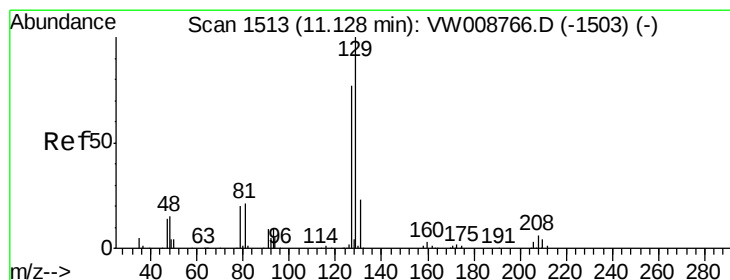
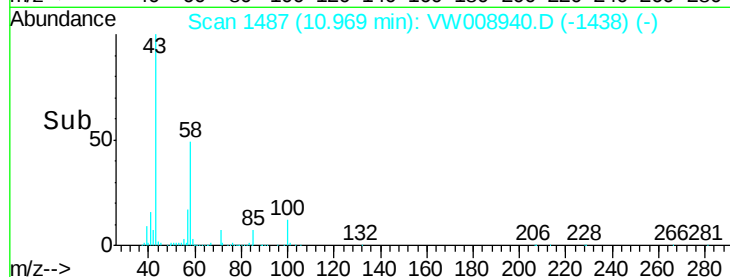
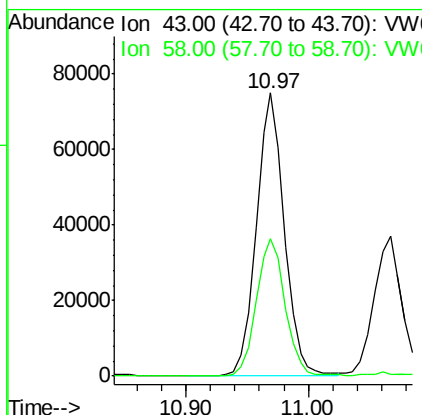
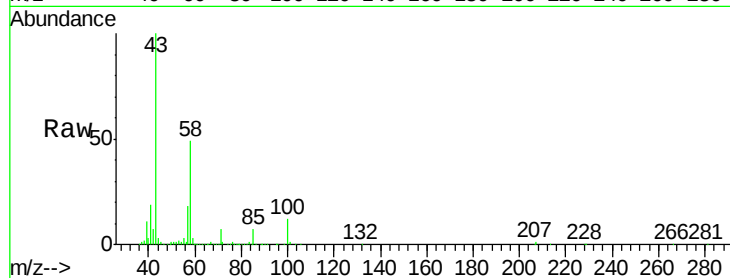
#59
2-Hexanone
Concen: 98.224 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion: 43 Resp: 119253
Ion Ratio Lower Upper
43 100
58 49.9 25.3 75.8

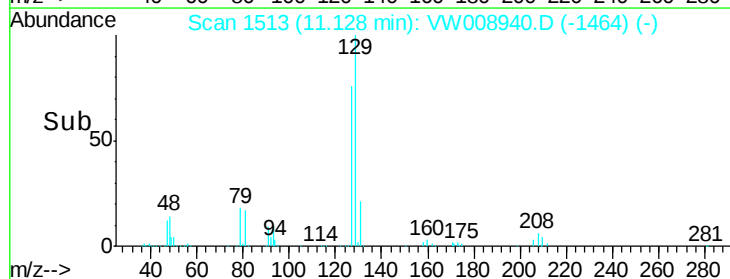
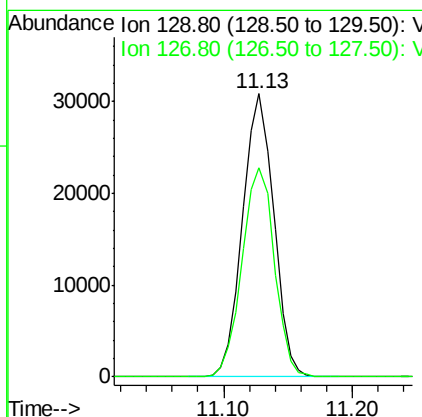
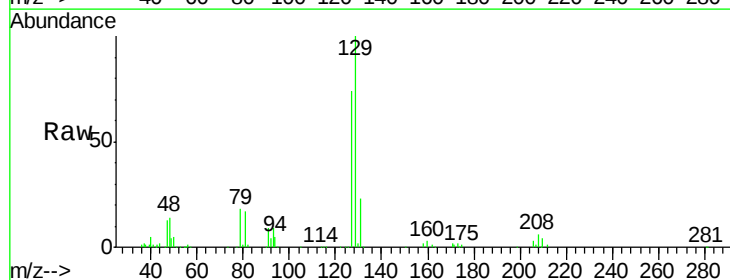
Manual Integrations
APPROVED

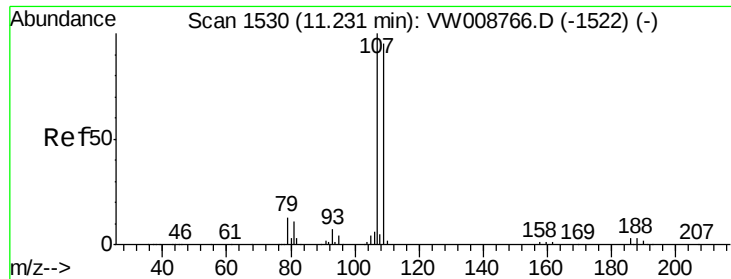
MMDadoda
3/5/2019 4:05:22 AM



#60
Dibromochloromethane
Concen: 23.012 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion: 129 Resp: 51709
Ion Ratio Lower Upper
129 100
127 76.3 39.0 116.9





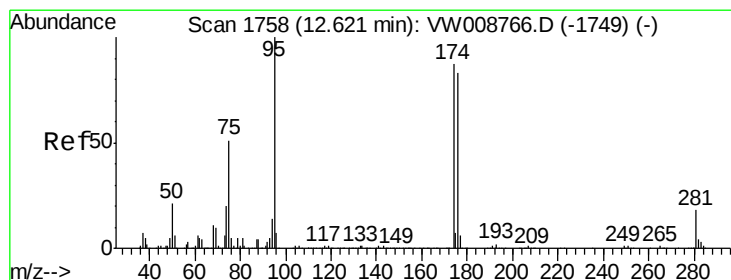
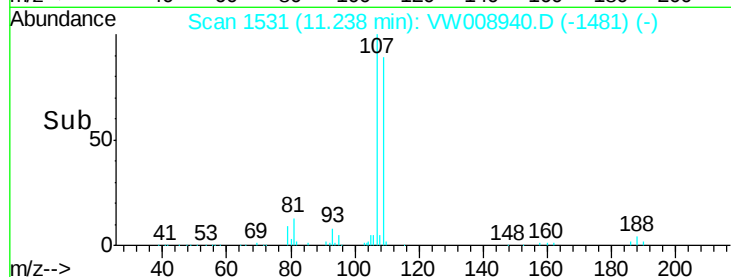
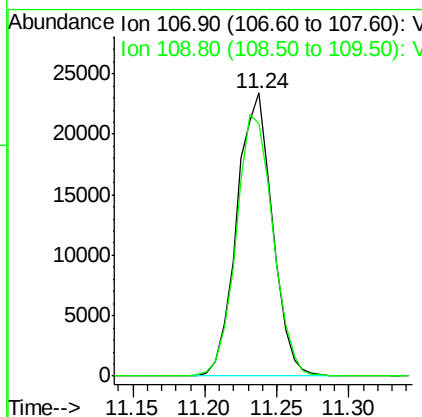
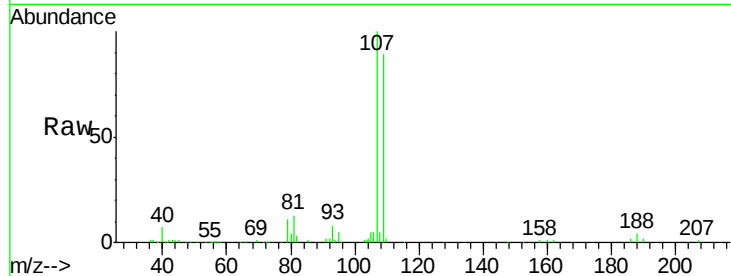
#61
 1,2-Dibromoethane
 Concen: 21.955 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Tot Ion: 107 Resp: 40036
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.6 113.4

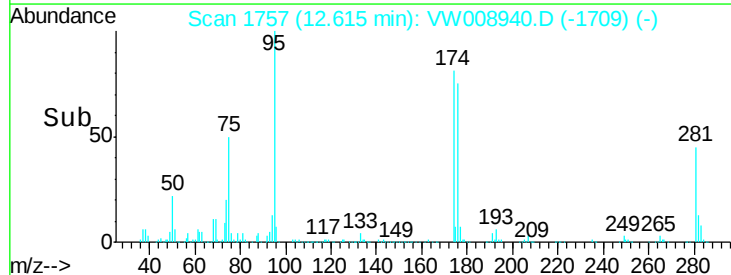
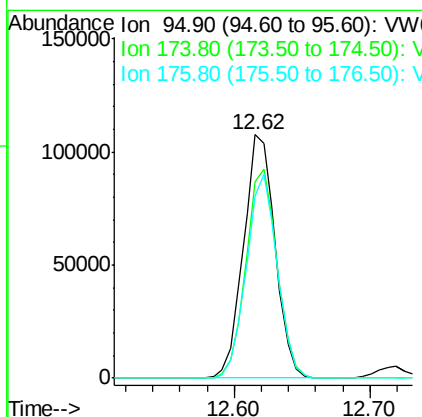
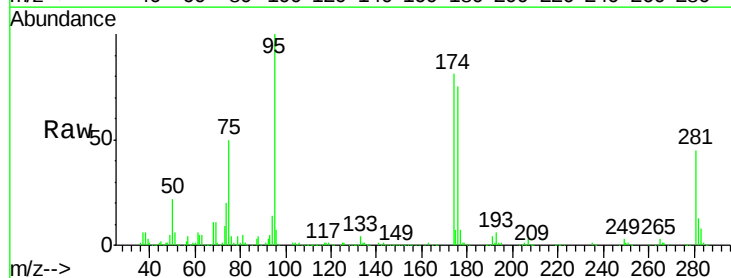
Manual Integrations
 APPROVED

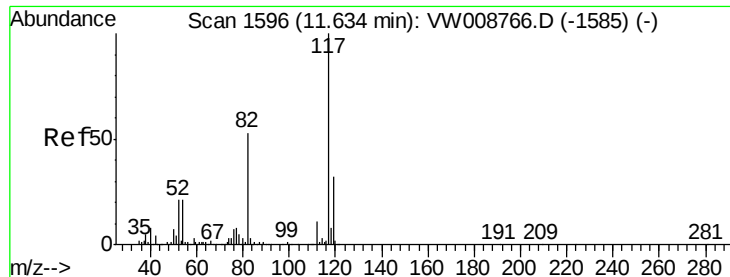
MMDadoda
 3/5/2019 4:05:22 AM



#62
 4-Bromofluorobenzene
 Concen: 51.764 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Tgt Ion: 95 Resp: 174678
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 169.2
 176 82.2 0.0 163.6





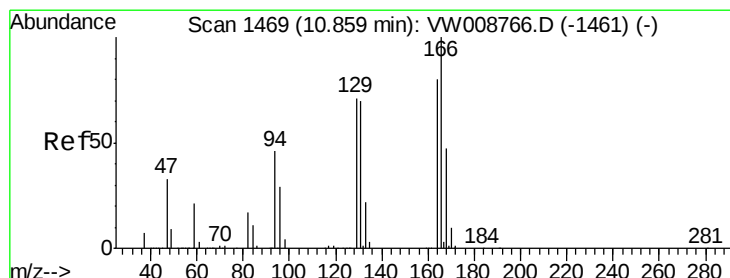
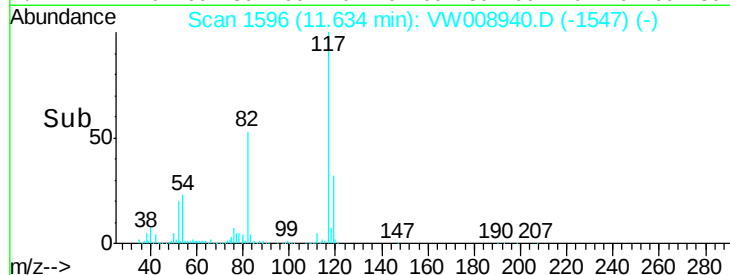
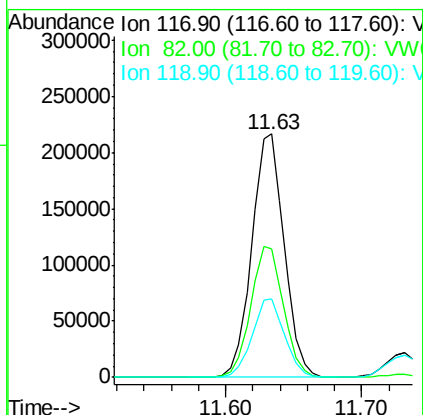
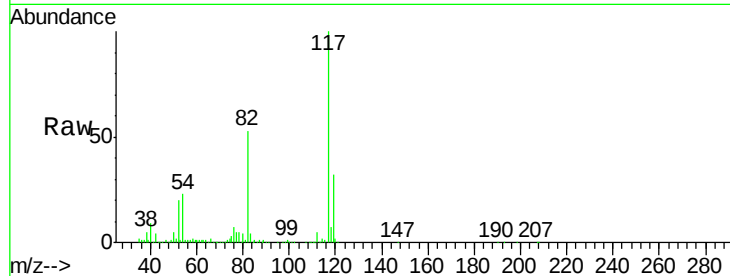
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.4
119	32.2	25.9	38.9

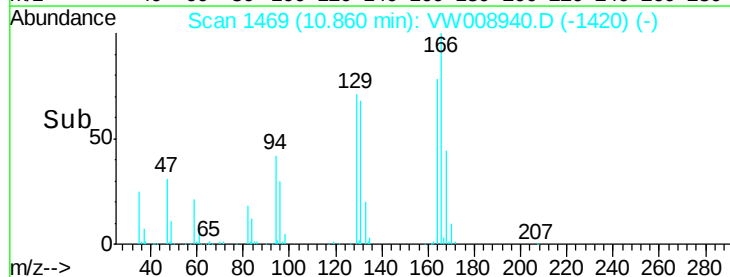
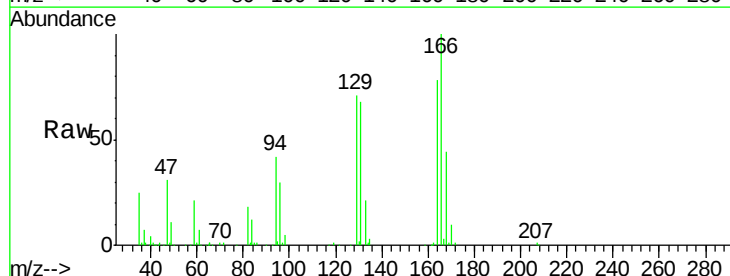
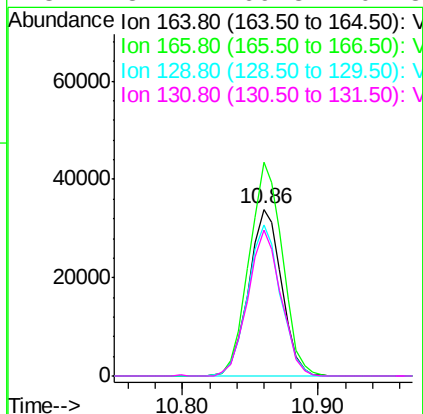
Manual Integrations
APPROVED

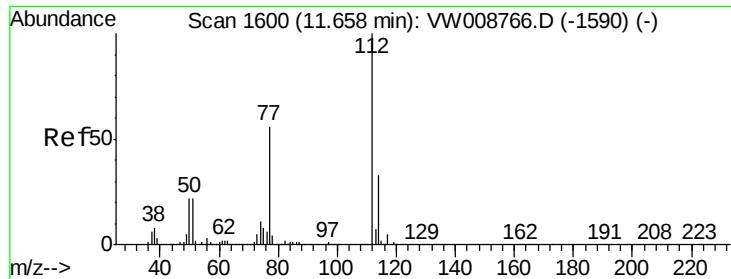
MMDadoda
3/5/2019 4:05:22 AM



#64
Tetrachloroethene
Concen: 22.286 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	99.5	149.3
129	90.3	71.1	106.7
131	87.1	69.8	104.8





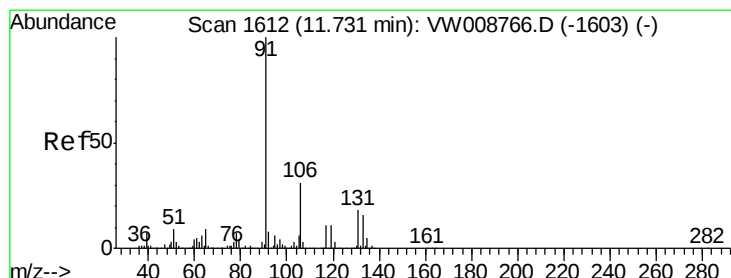
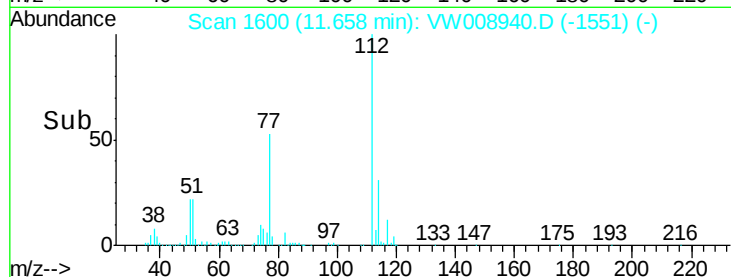
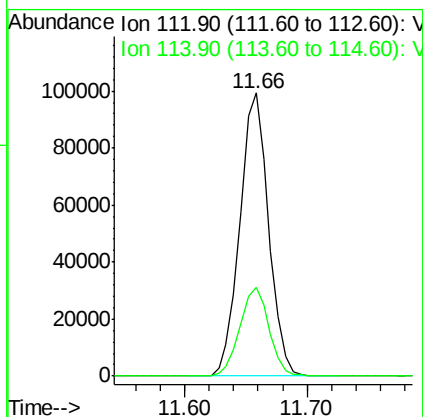
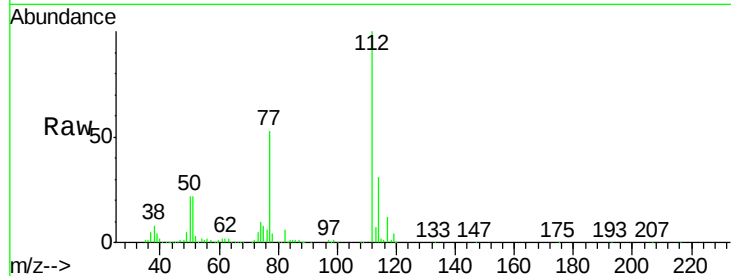
#65
Chlorobenzene
Concen: 21.240 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampled :
VW0302SBS02

Tot Ion:112 Resp: 161409
Ion Ratio Lower Upper
112 100
114 31.4 26.6 40.0

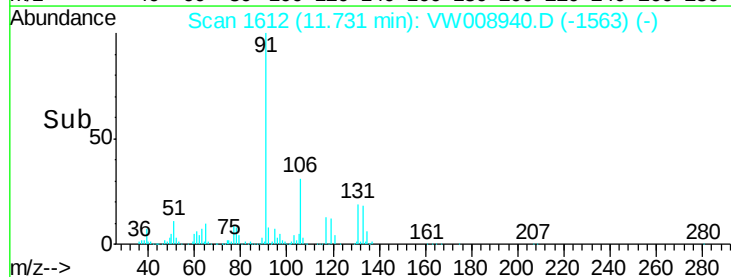
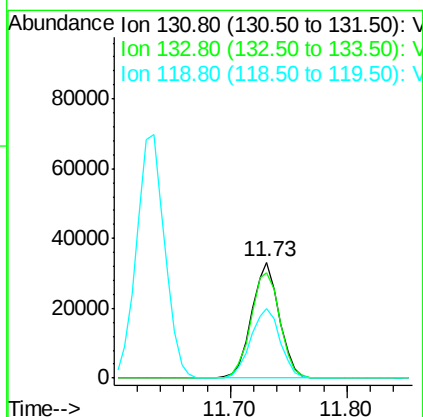
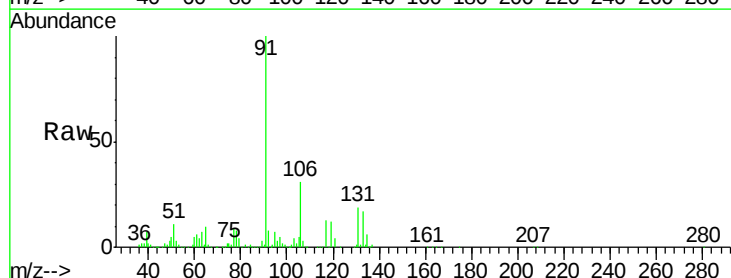
Manual Integrations
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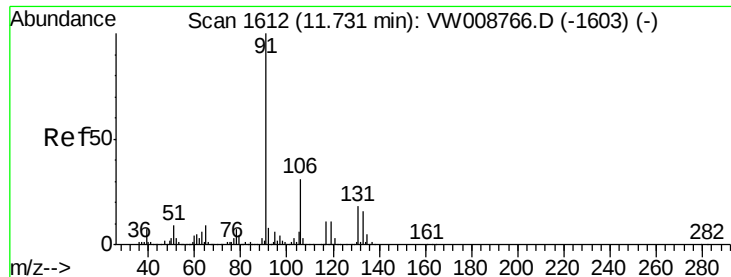
MMDadoda
3/5/2019 4:05:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.282 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion:131 Resp: 54685
Ion Ratio Lower Upper
131 100
133 96.5 46.7 140.0
119 63.6 30.8 92.4





#67

Ethyl Benzene

Concen: 20.169 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 91 Resp: 273987

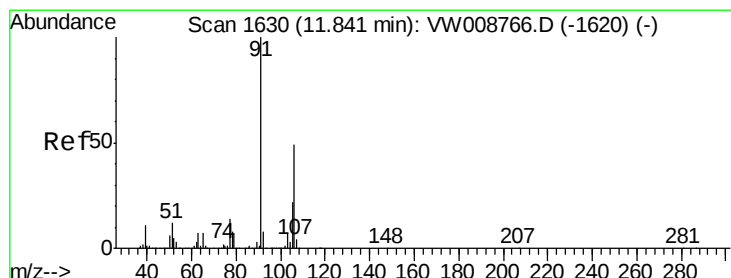
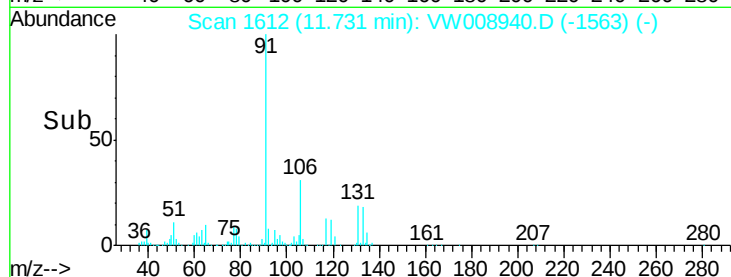
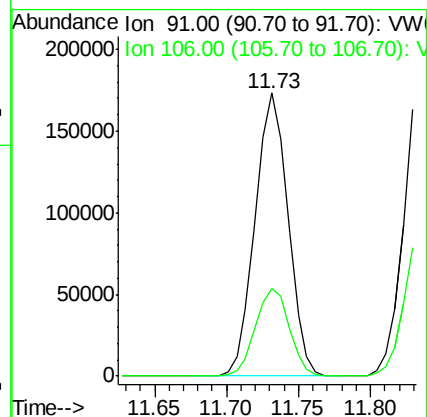
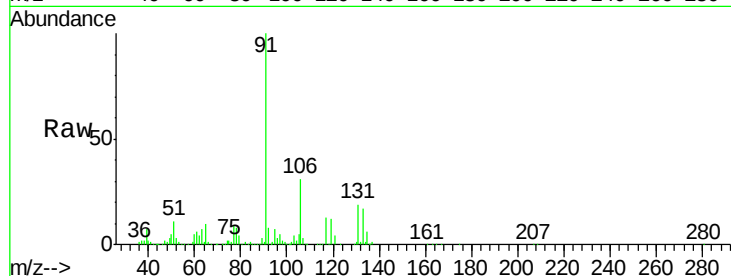
Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.6

Manual Integrations
APPROVED

MMDadoda
3/5/2019 4:05:22 AM



#68

m/p-Xylenes

Concen: 40.627 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008940.D

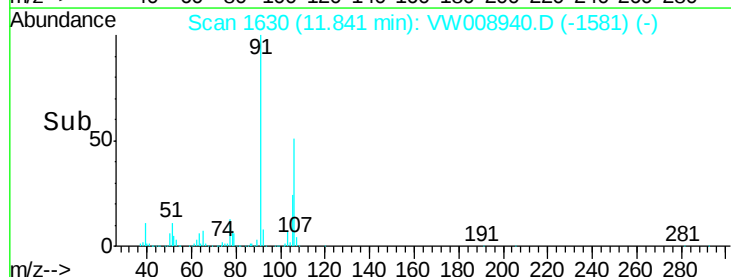
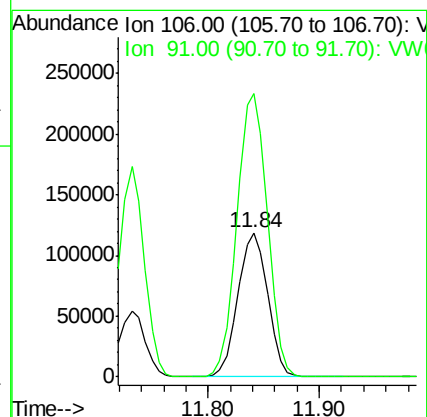
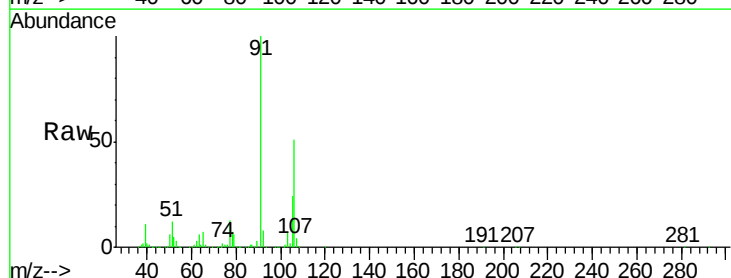
Acq: 02 Mar 2019 01:03

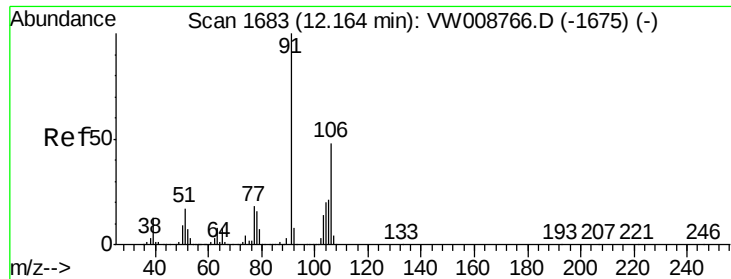
Tgt Ion: 106 Resp: 220515

Ion Ratio Lower Upper

106 100

91 199.6 161.5 242.3





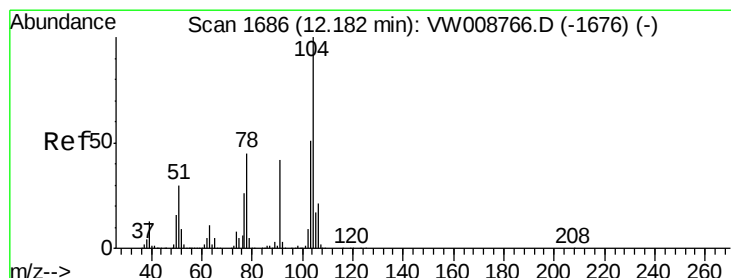
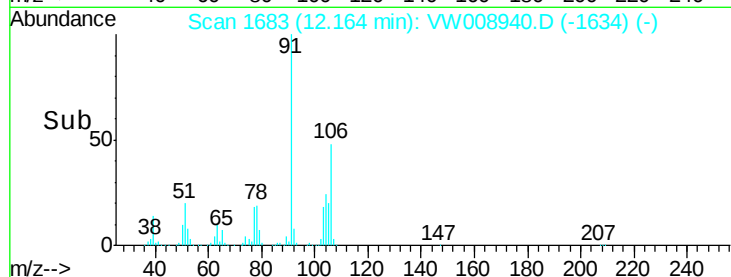
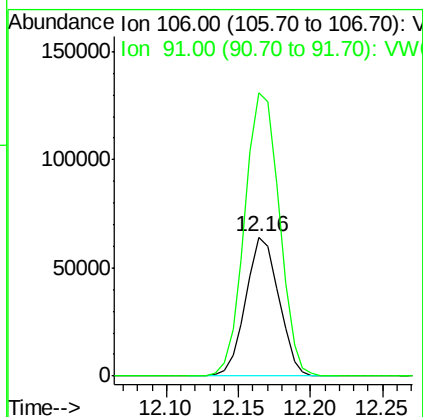
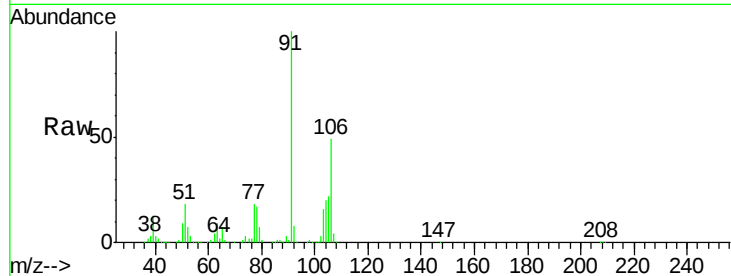
#69
o-Xylene
Concen: 20.111 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampled :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.2	106.2	318.6

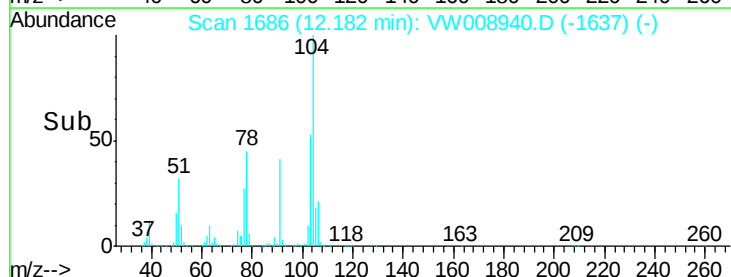
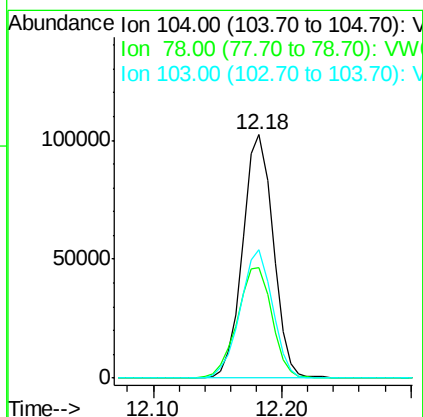
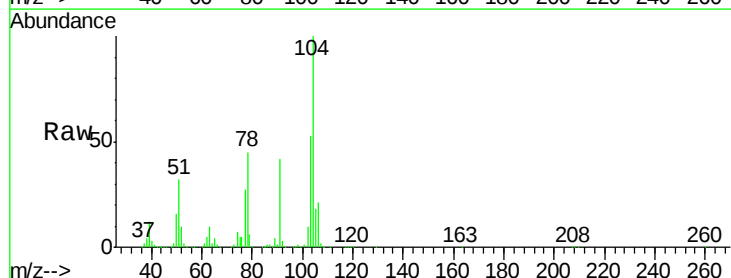
Manual Integrations
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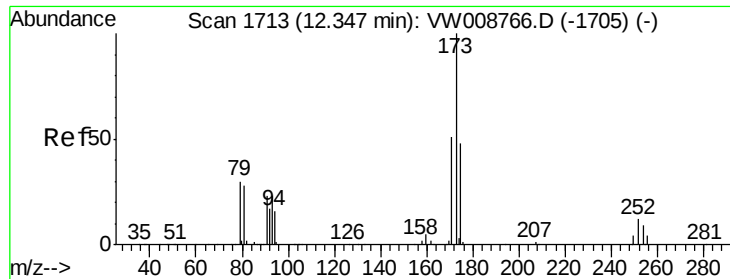
MMDadoda
3/5/2019 4:05:22 AM



#70
Styrene
Concen: 20.429 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	40.8	61.2
103	56.2	44.2	66.2





#71

Bromoform

Concen: 20.996 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

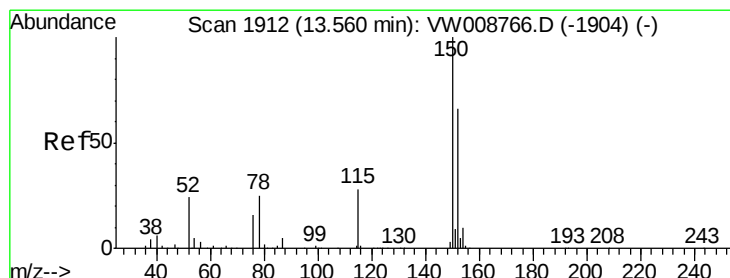
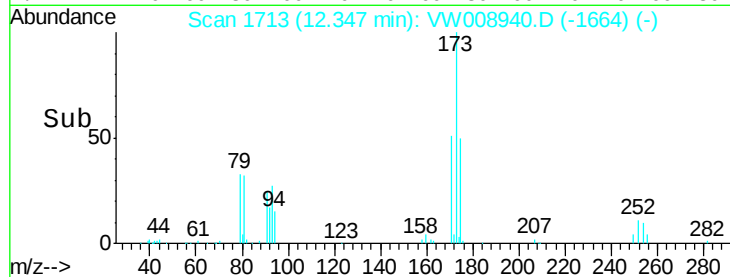
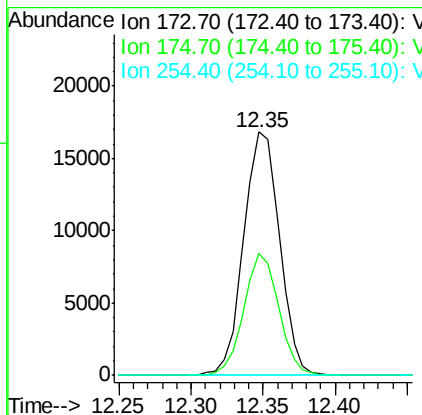
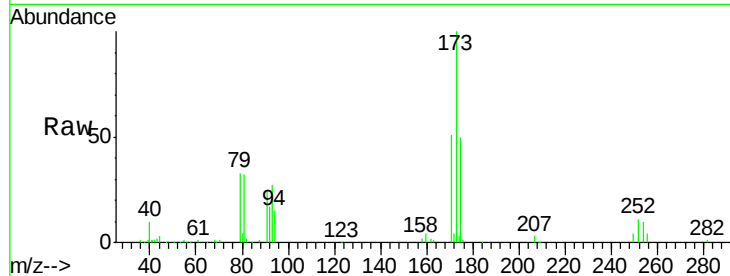
ClientSampleId :

VW0302SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.2	72.6
254	0.0	0.2	0.4

Manual Integrations
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3/5/2019 4:05:22 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

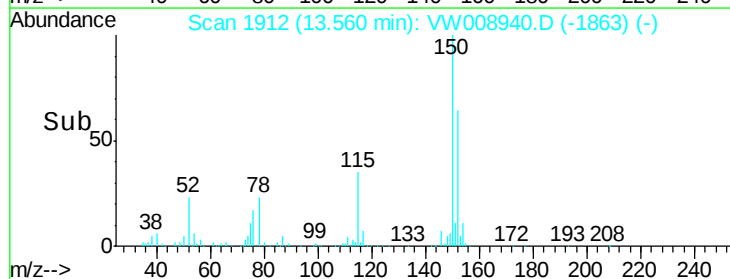
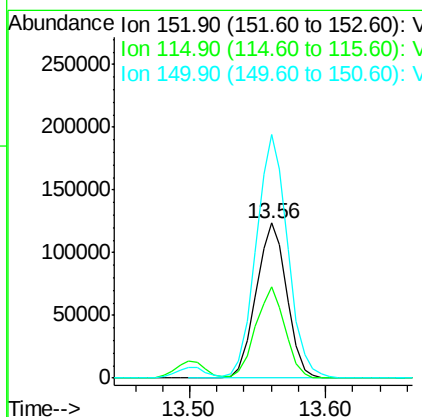
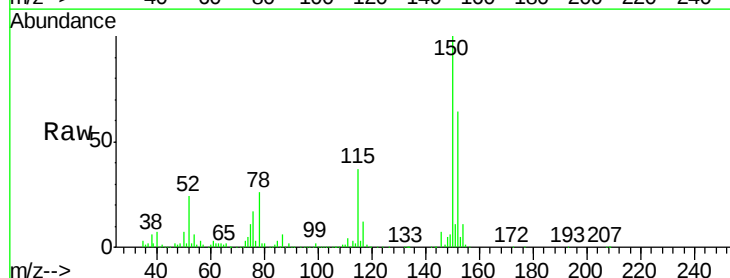
RT: 13.56 min Scan# 1912

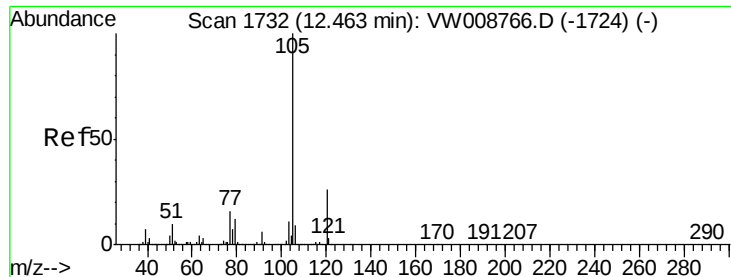
Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.6	85.8
150	162.8	0.0	348.0





#73

Isopropylbenzene

Concen: 20.374 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 105 Resp: 271361

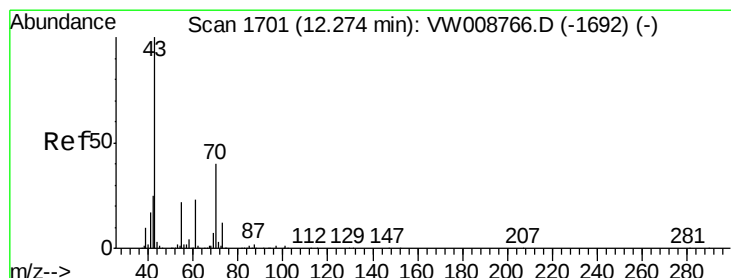
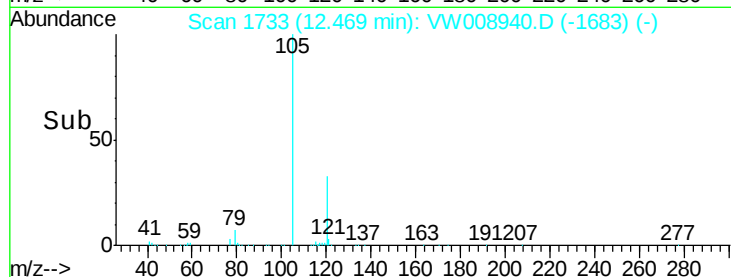
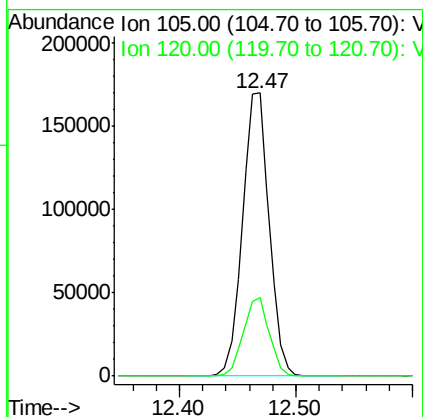
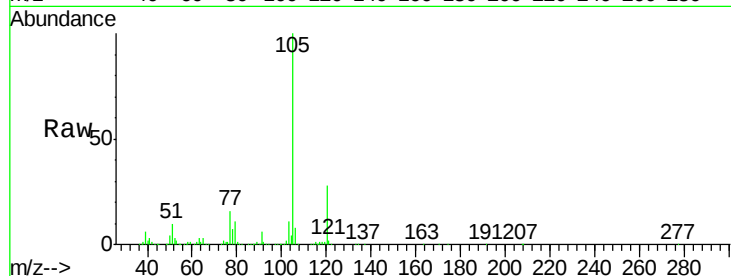
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9

Manual Integrations
APPROVED

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3/5/2019 4:05:22 AM



#74

N-ethyl acetate

Concen: 19.610 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion: 43 Resp: 65792

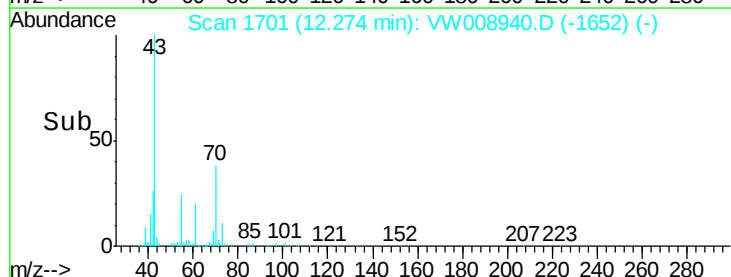
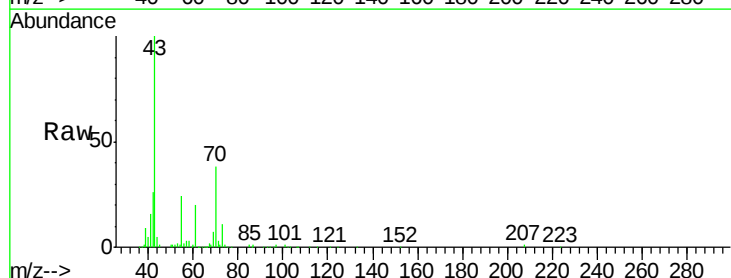
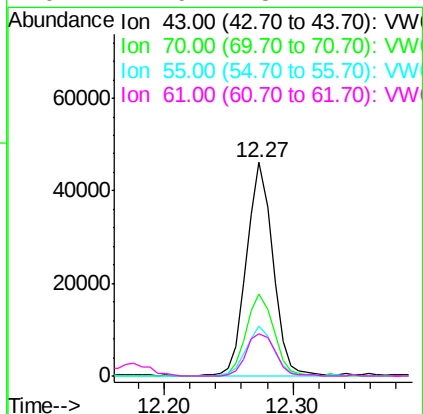
Ion Ratio Lower Upper

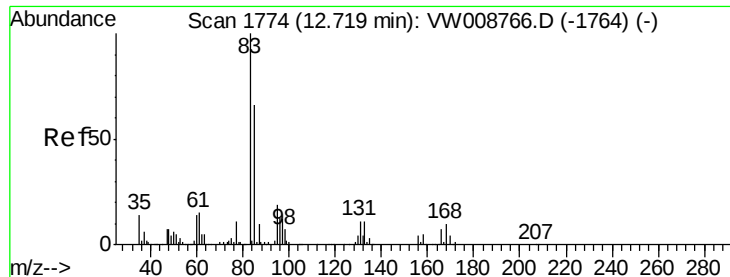
43 100

70 39.9 31.0 46.6

55 24.6 18.7 28.1

61 21.9 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.337 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

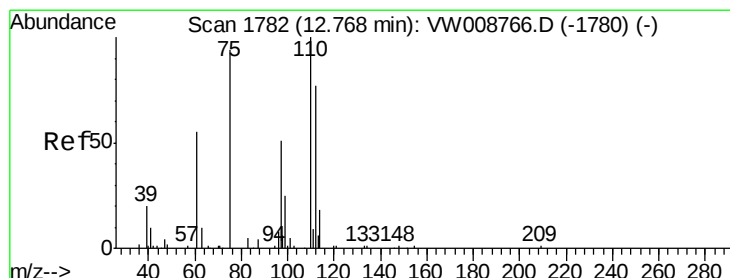
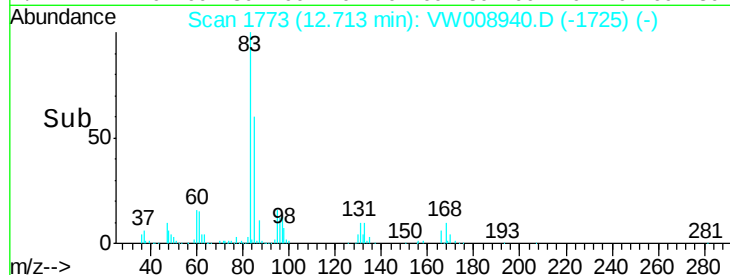
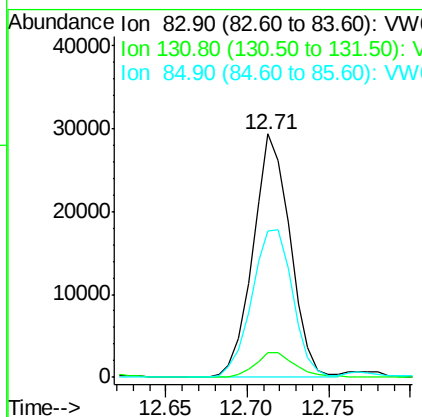
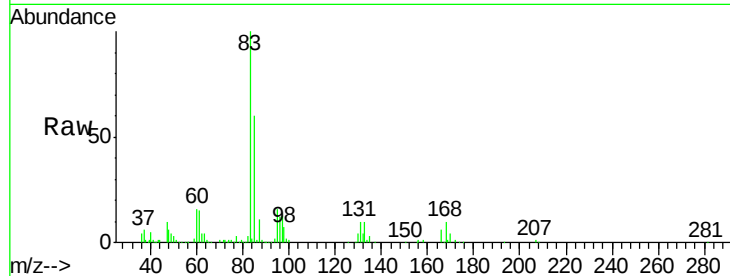
ClientSampleId :

VW0302SBS02

Tot Ion:	83	Resp:	46437
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	67.1	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.893 ug/l m

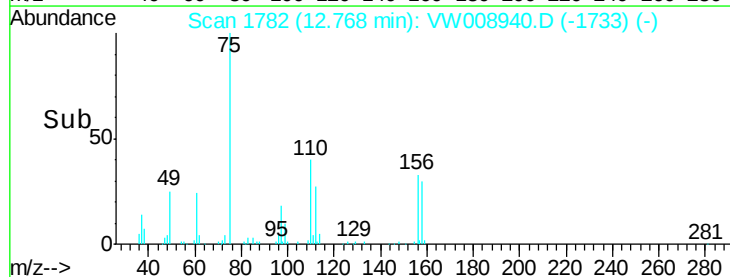
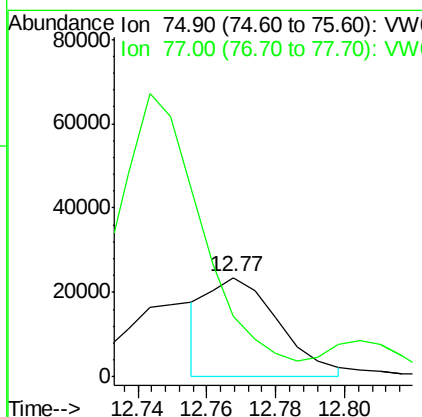
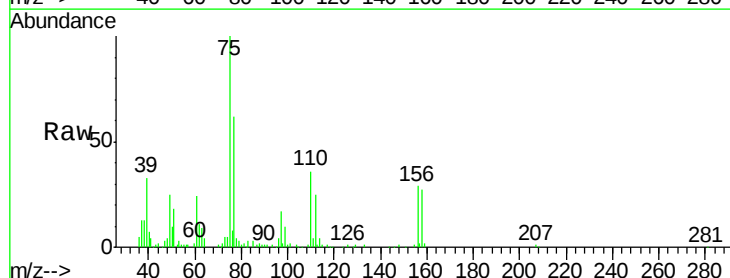
RT: 12.77 min Scan# 1782

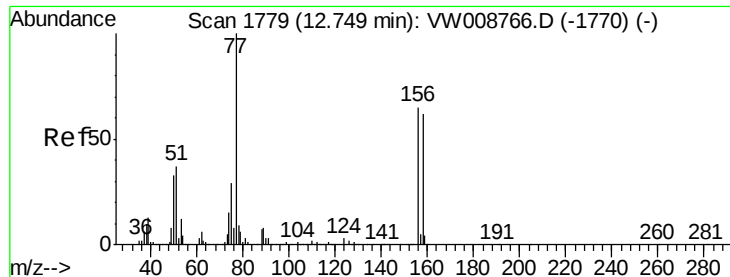
Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Tgt Ion:	75	Resp:	33514
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





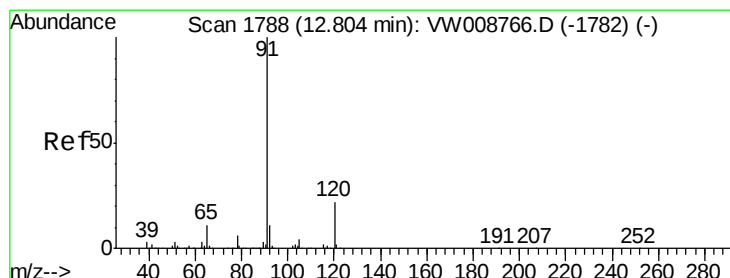
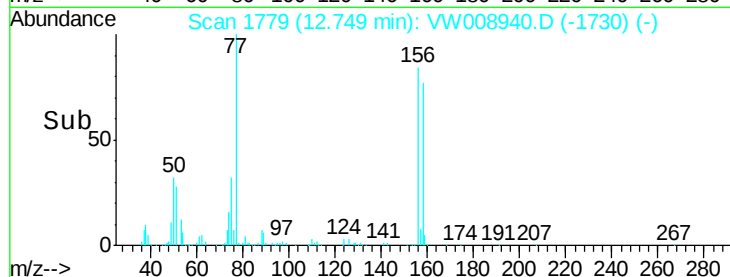
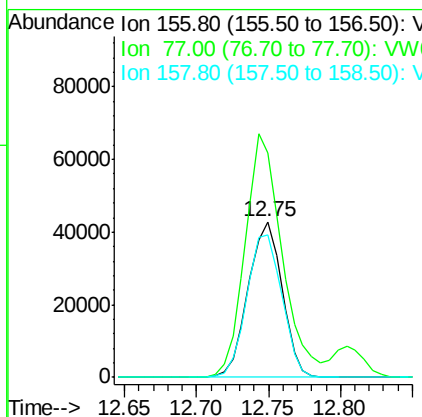
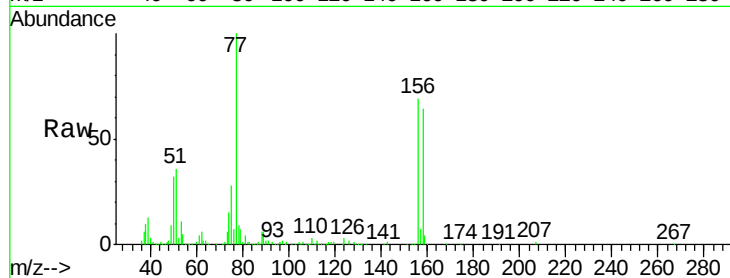
#77
Bromobenzene
Concen: 22.223 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.9	89.1	267.4
158	94.9	49.2	147.6

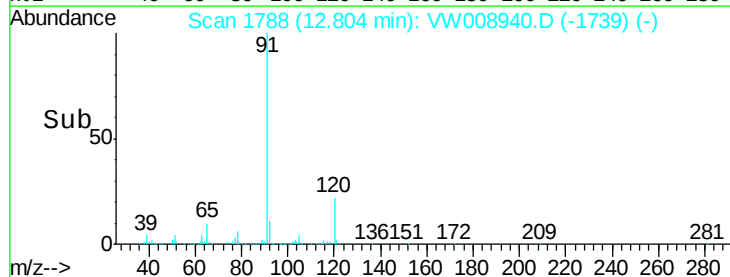
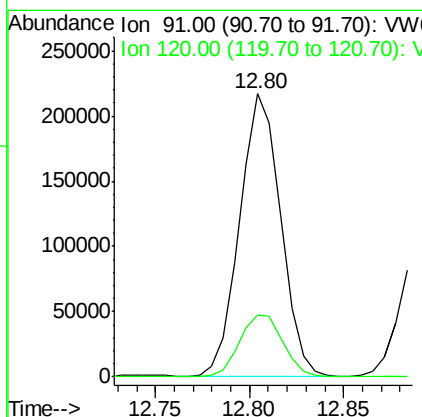
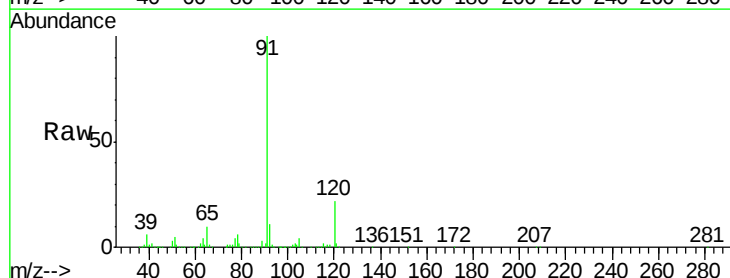
Manual Integrations
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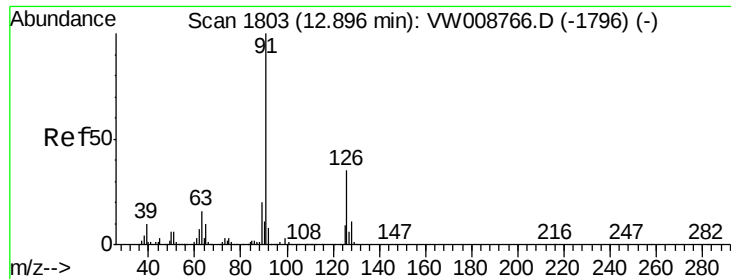
MMDadoda
3/5/2019 4:05:22 AM



#78
n-propylbenzene
Concen: 20.146 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.4





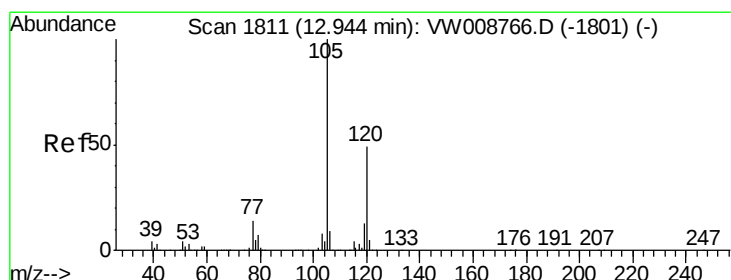
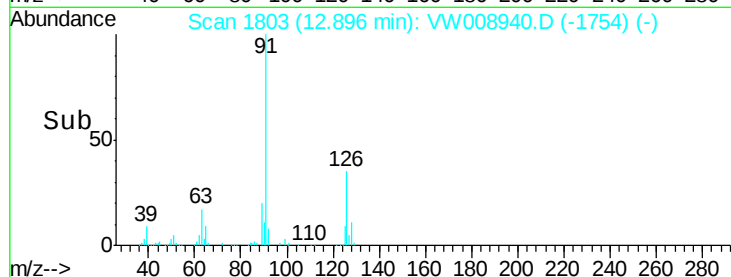
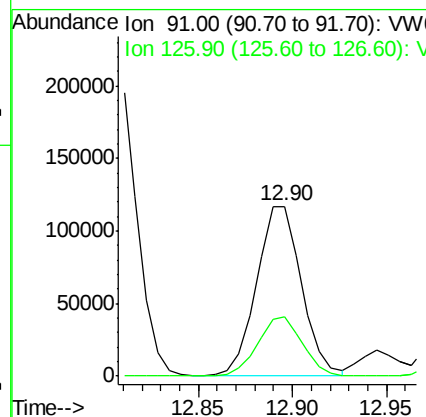
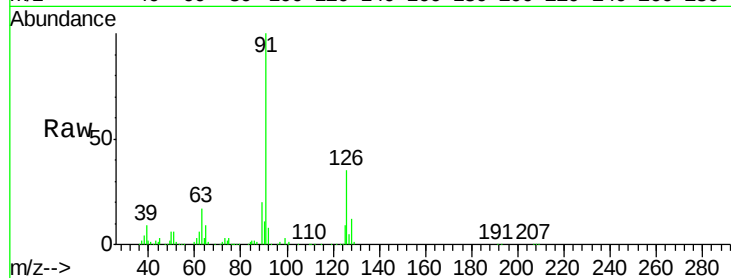
#79
2-Chlorotoluene
Concen: 20.862 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion: 91 Resp: 192980
Ion Ratio Lower Upper
91 100
126 34.9 17.0 51.0

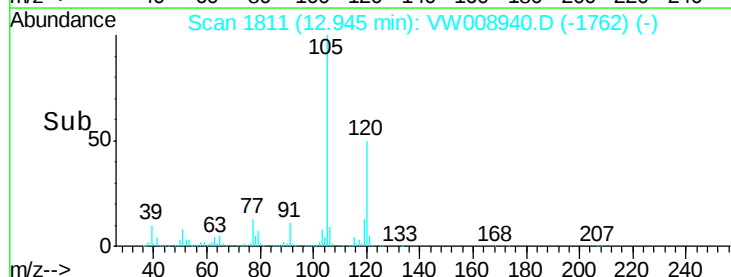
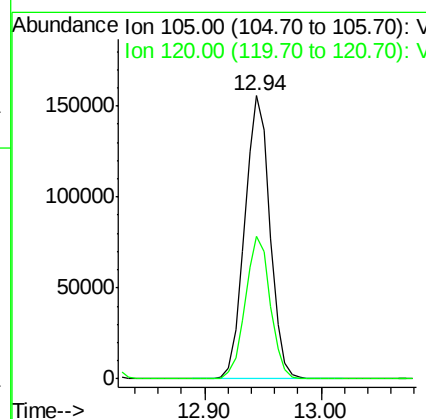
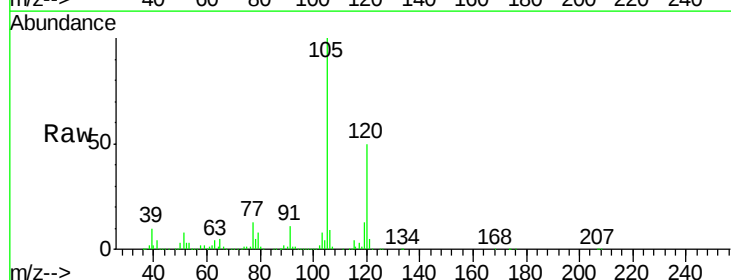
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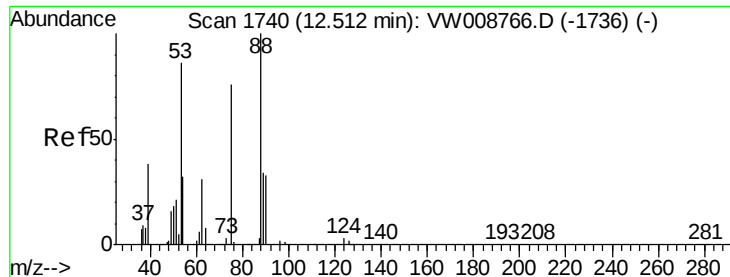
MMDadoda
3/5/2019 4:05:22 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.277 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion:105 Resp: 234695
Ion Ratio Lower Upper
105 100
120 50.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.397 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion: 75 Resp: 11479

Ion Ratio Lower Upper

75 100

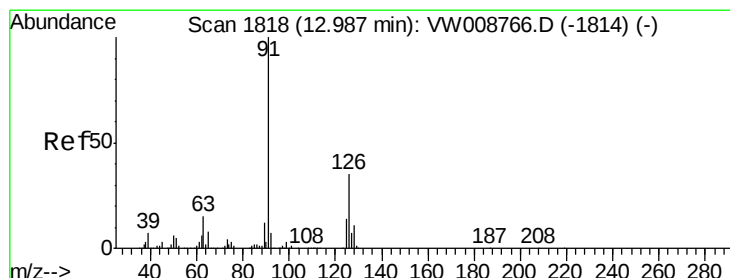
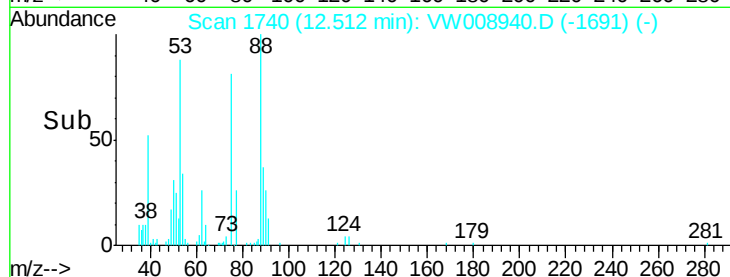
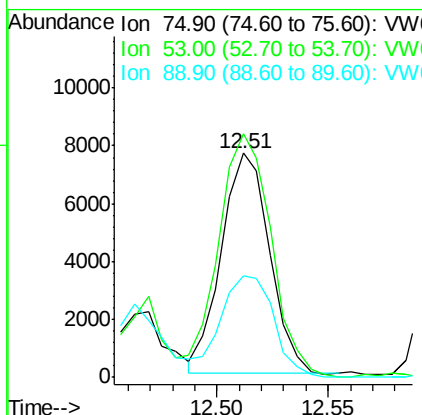
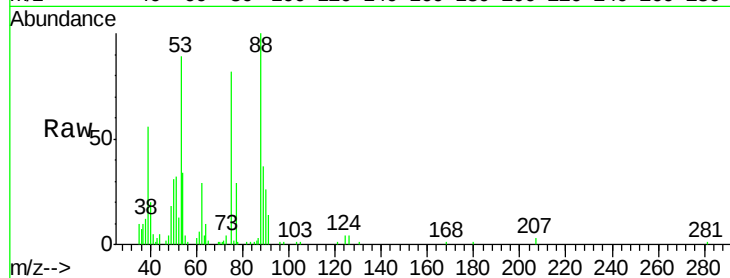
53 122.1 88.2 132.2

89 50.5 39.5 59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.688 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008940.D

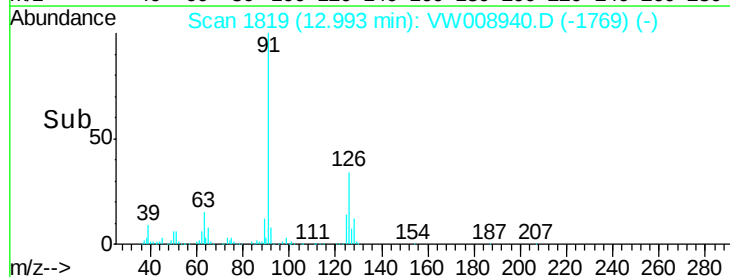
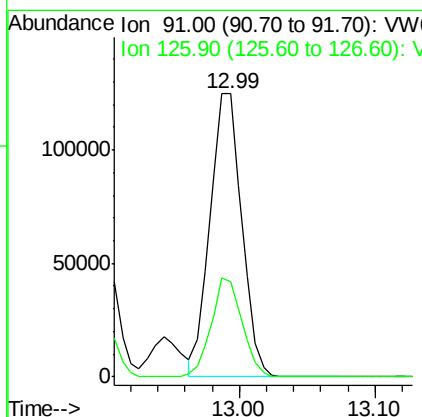
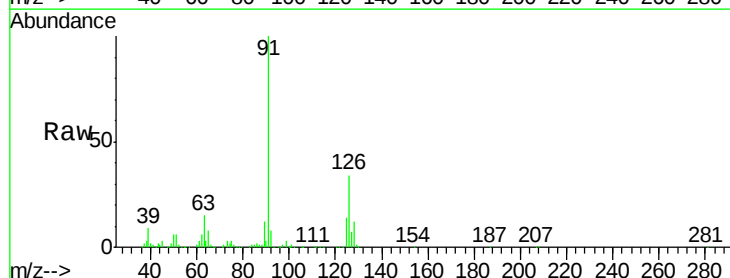
Acq: 02 Mar 2019 01:03

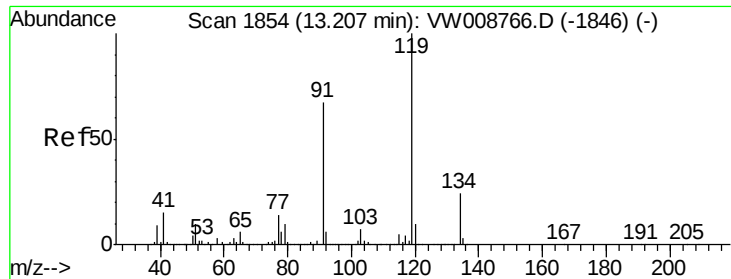
Tgt Ion: 91 Resp: 201666

Ion Ratio Lower Upper

91 100

126 34.1 17.2 51.6





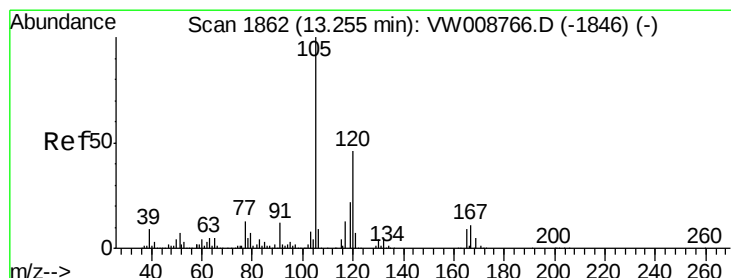
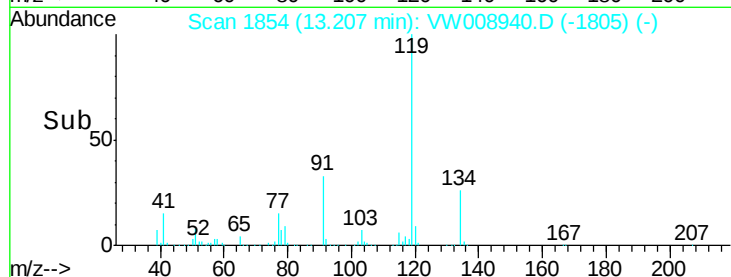
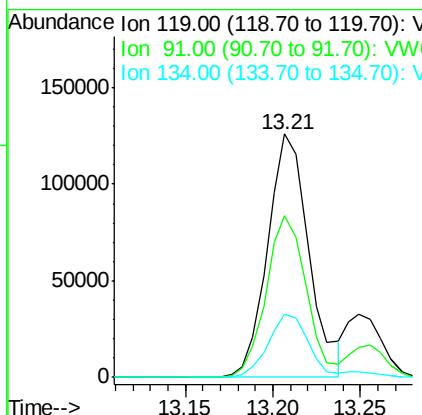
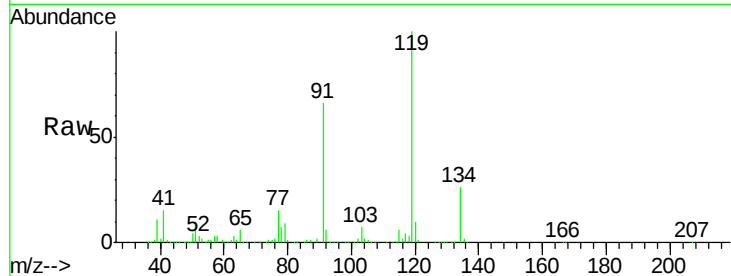
#83
tert-Butylbenzene
Concen: 20.703 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	33.6	100.8
134	25.3	13.7	41.1

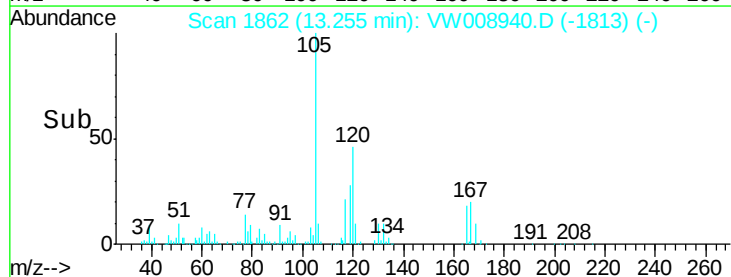
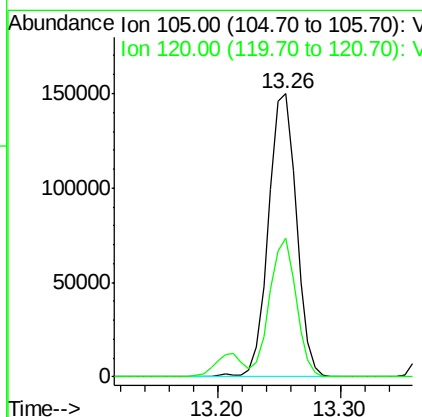
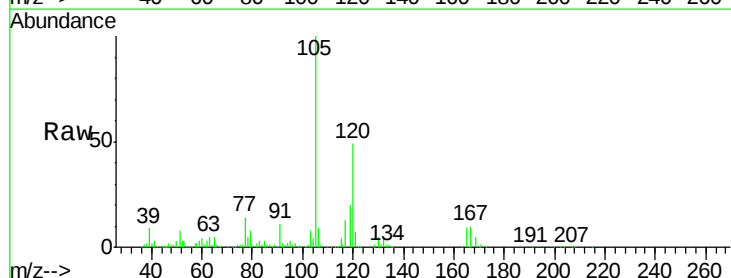
Manual Integrations
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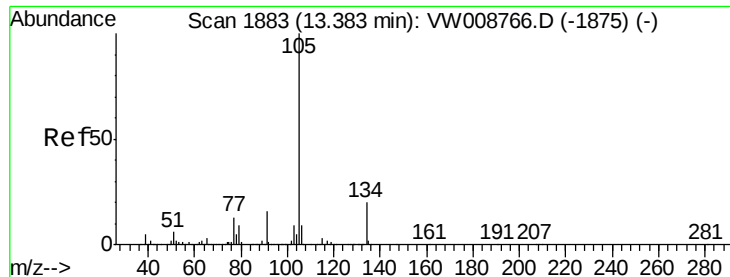
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3/5/2019 4:05:22 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.907 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.869 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion:105 Resp: 285931

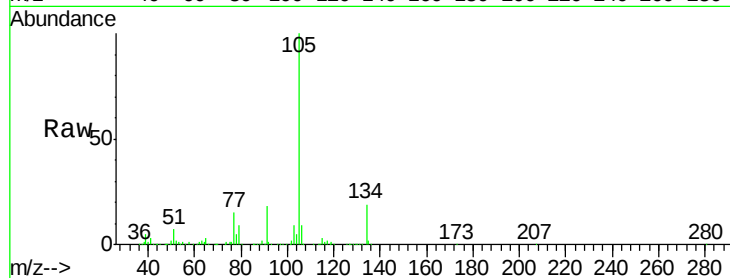
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1

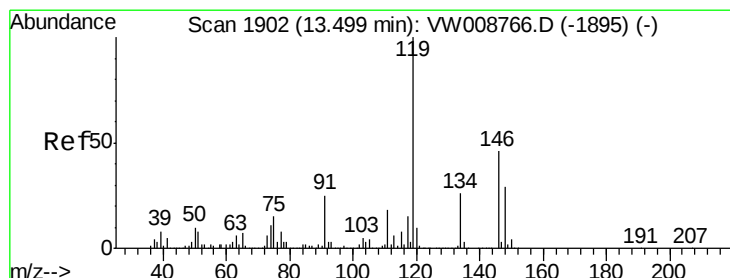
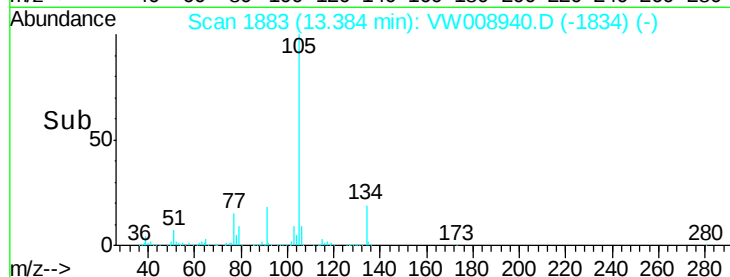
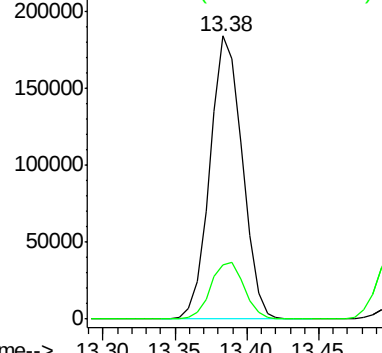
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.082 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

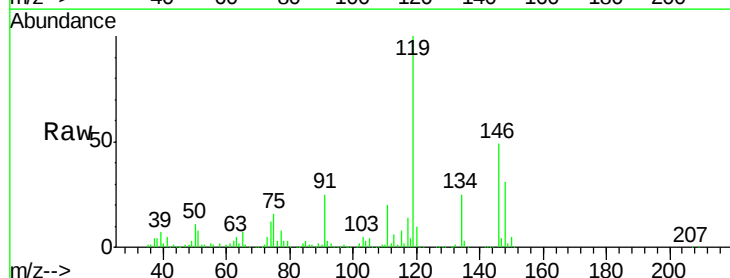
Tgt Ion:119 Resp: 251744

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

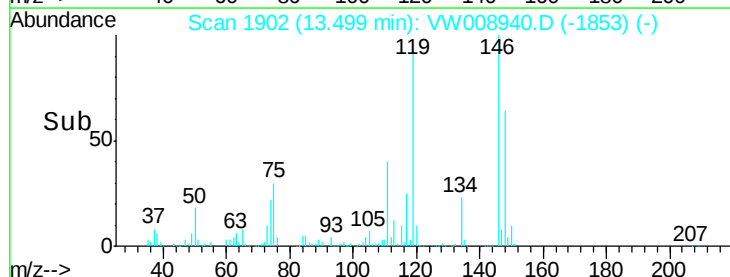
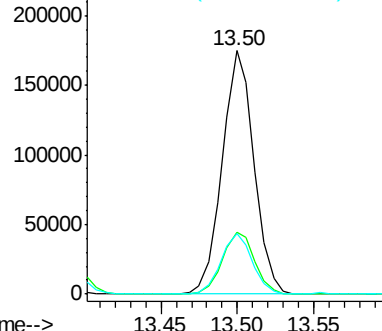
91 24.3 12.1 36.3

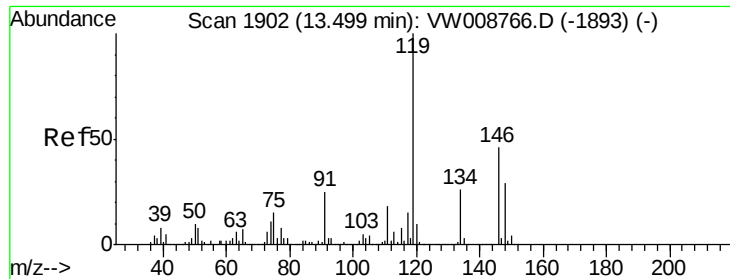


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





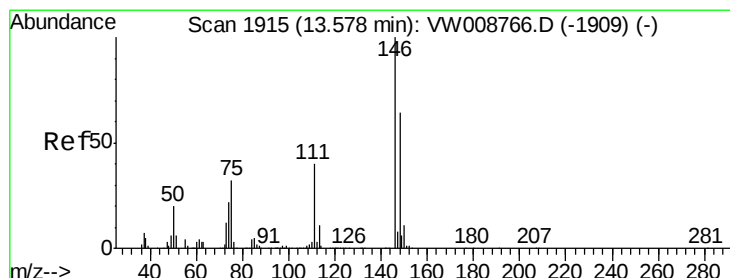
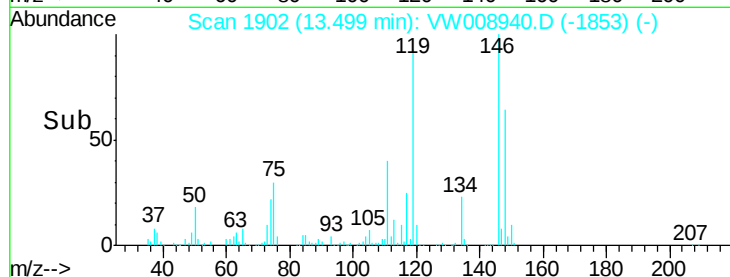
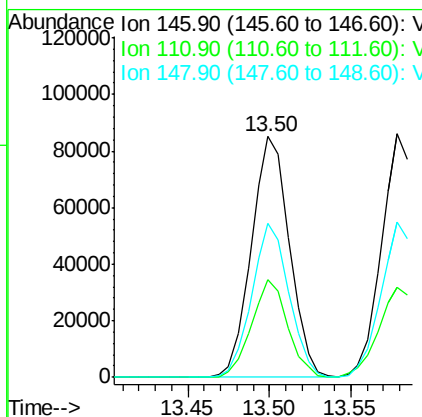
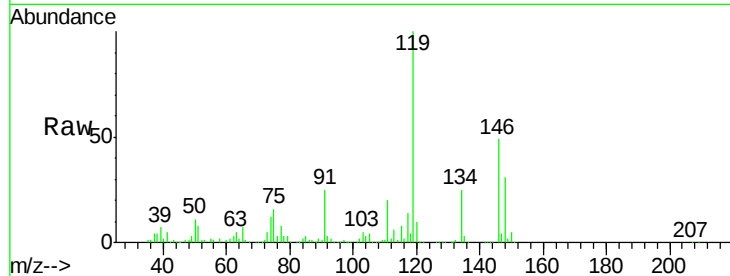
#87
 1,3-Dichlorobenzene
 Concen: 21.090 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.7
148	62.5	31.6	94.8

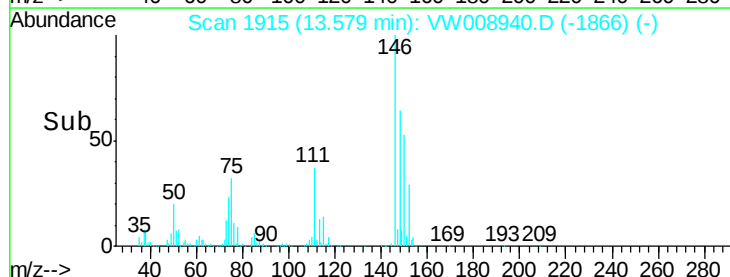
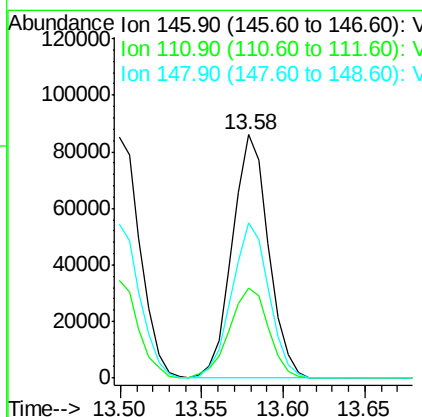
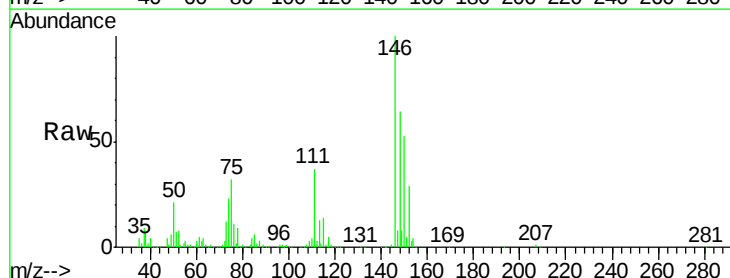
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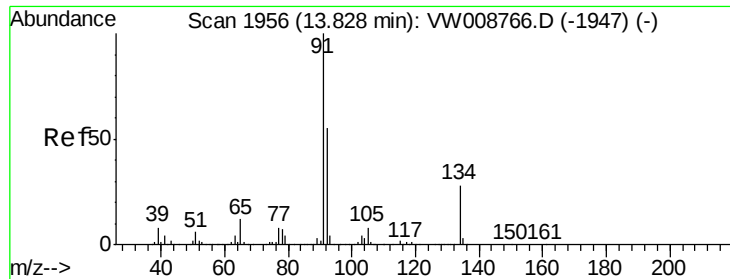
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 3/5/2019 4:05:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.690 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008940.D
 Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	65.2	31.9	95.9





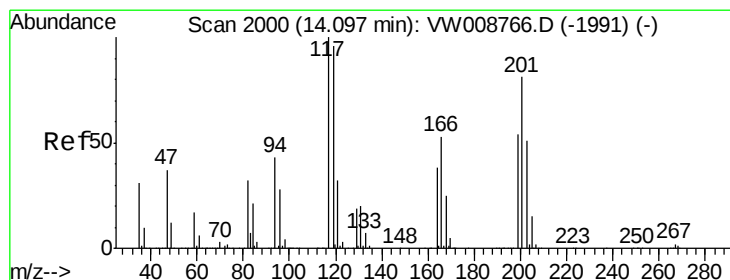
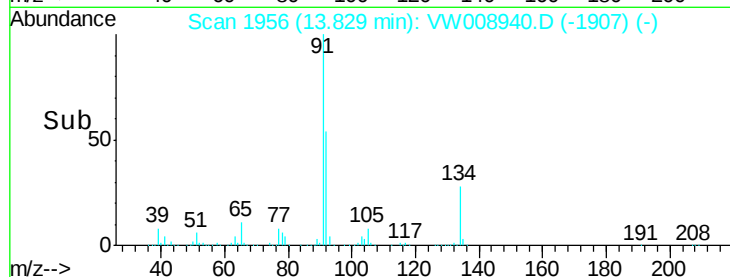
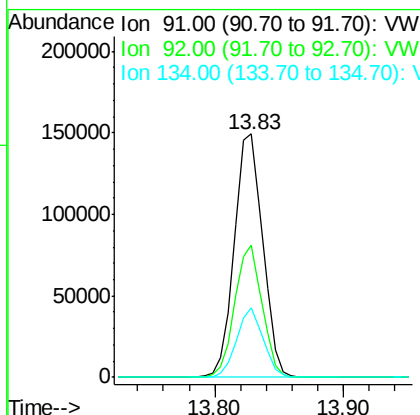
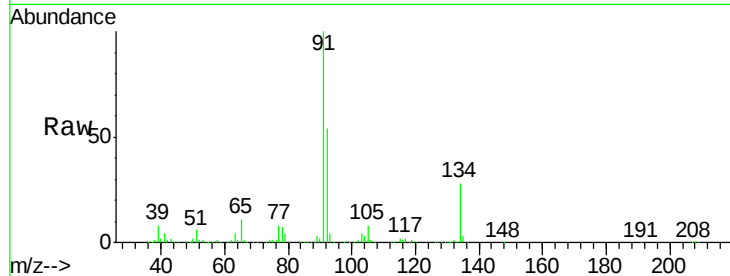
#89
n-Butylbenzene
Concen: 18.557 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.8	80.4
134	26.8	13.5	40.4

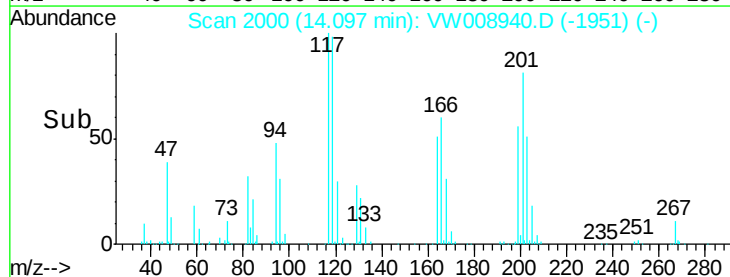
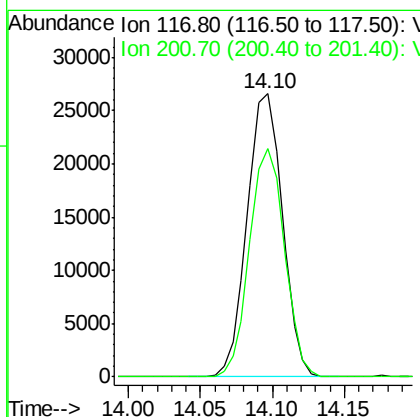
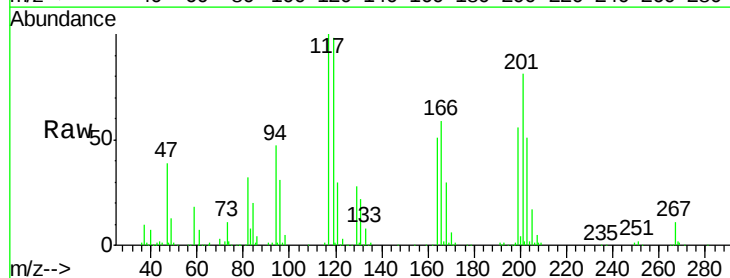
Manual Integrations
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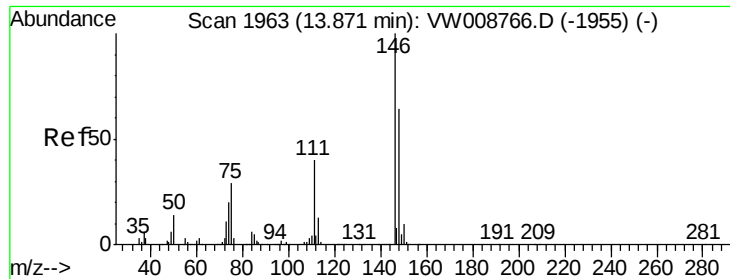
MMDadoda
3/5/2019 4:05:22 AM



#90
Hexachloroethane
Concen: 20.949 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	40.3	120.8





#91

1,2-Dichlorobenzene

Concen: 20.931 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

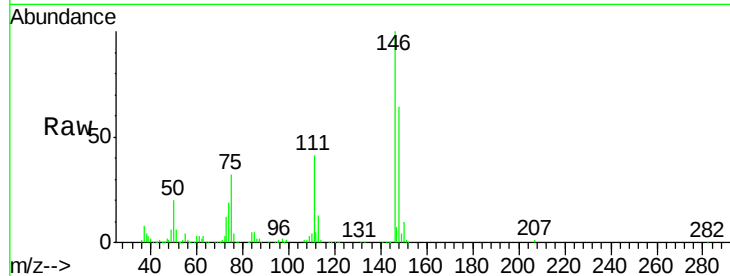
ClientSampleId :

VW0302SBS02

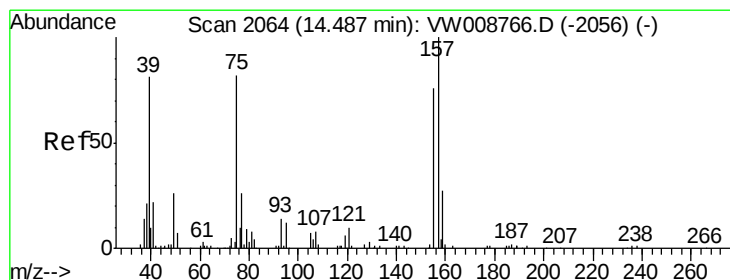
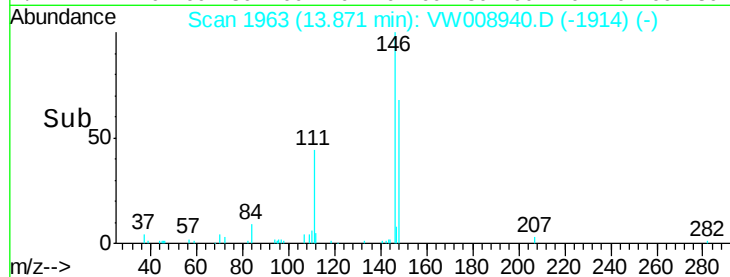
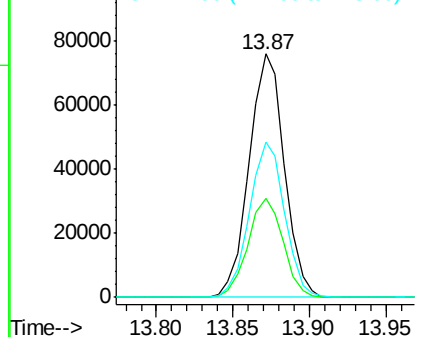
Tot Ion:	146	Resp:	121790
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.3	60.8
148	63.6	32.5	97.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.445 ug/l

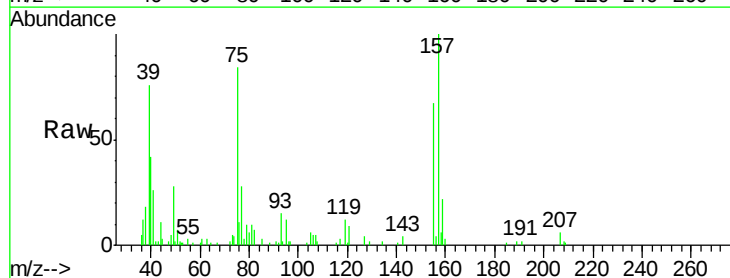
RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

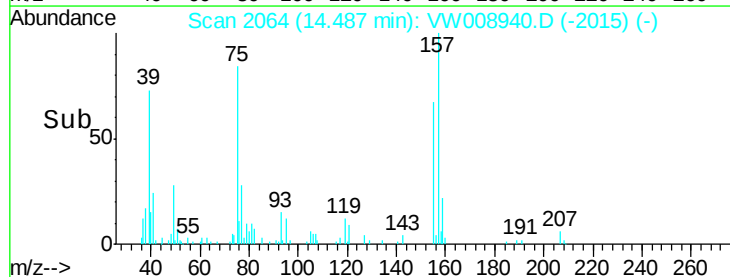
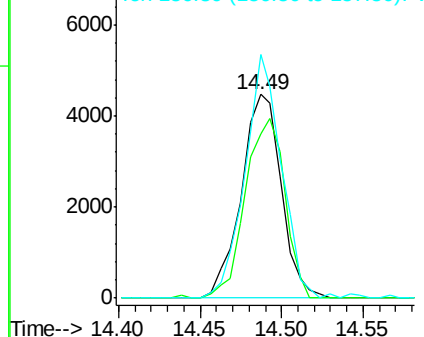
Lab File: VW008940.D

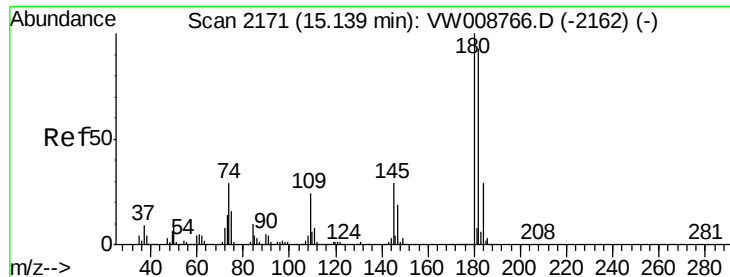
Acq: 02 Mar 2019 01:03

Tgt Ion:	75	Resp:	7655
Ion Ratio	Lower	Upper	
75	100		
155	86.8	41.8	125.4
157	108.7	56.6	169.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.008 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS02

Tot Ion:180 Resp: 79690

Ion Ratio Lower Upper

180 100

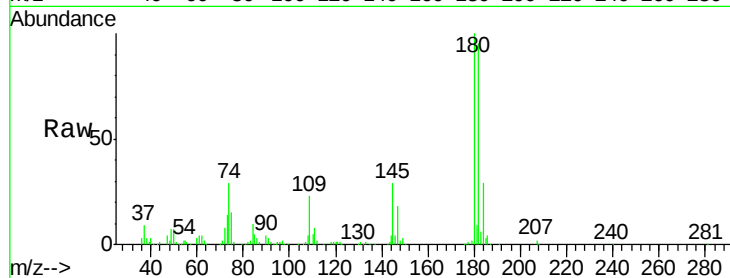
182 94.5 47.2 141.6

145 29.2 14.4 43.0

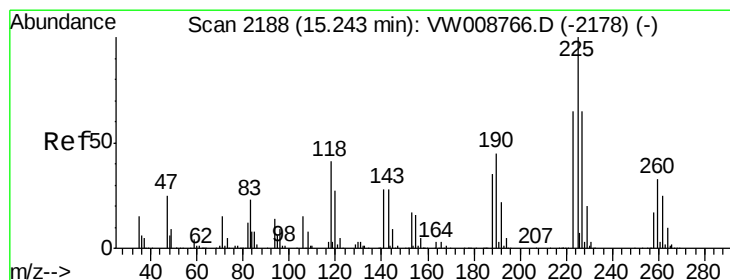
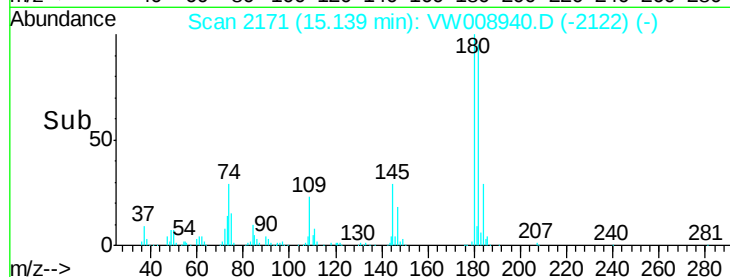
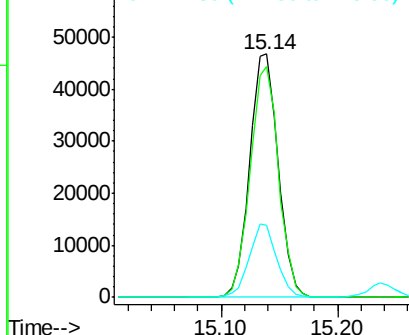
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.080 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VW008940.D

Acq: 02 Mar 2019 01:03

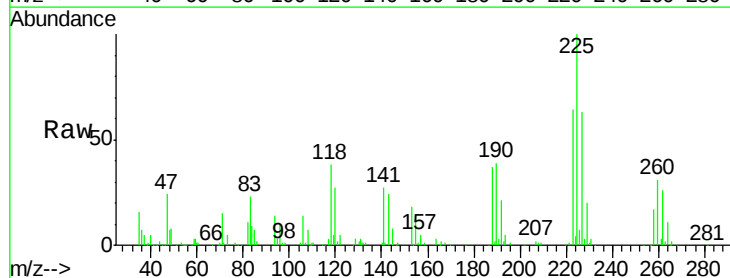
Tgt Ion:225 Resp: 49586

Ion Ratio Lower Upper

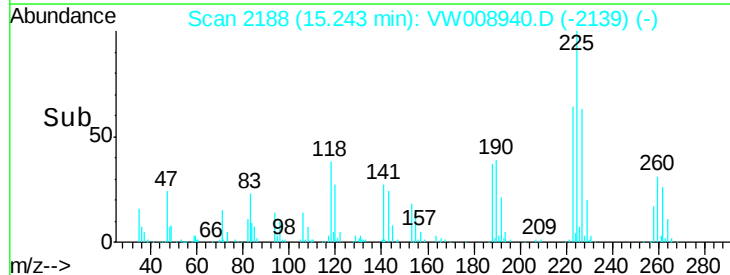
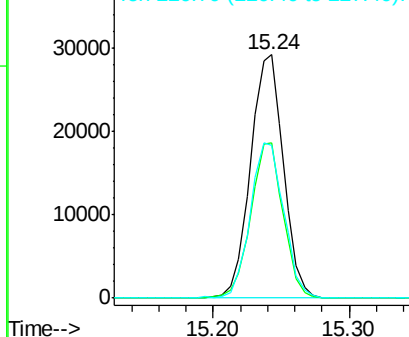
225 100

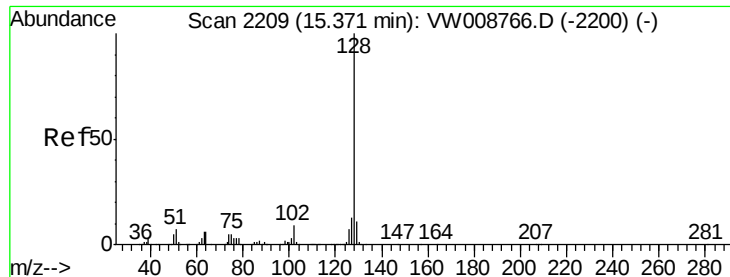
223 62.7 31.5 94.5

227 65.0 31.6 94.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





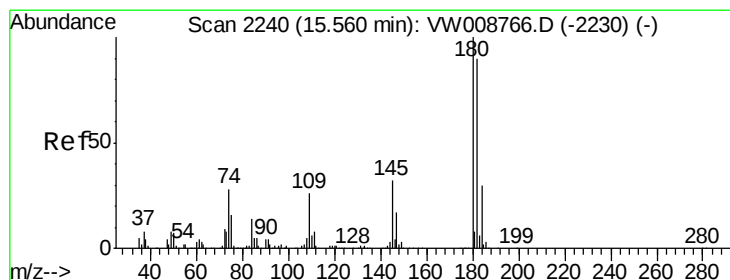
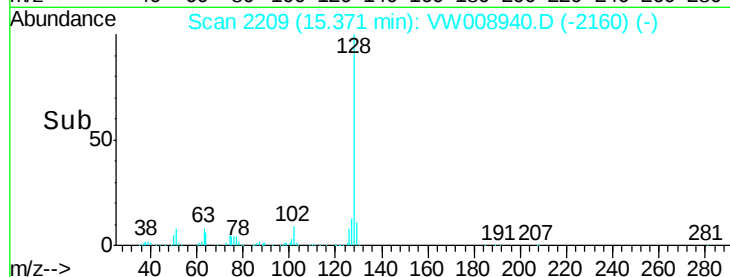
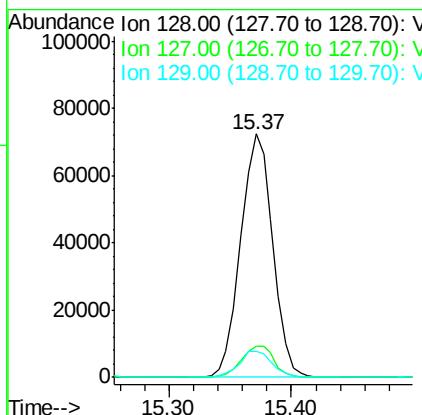
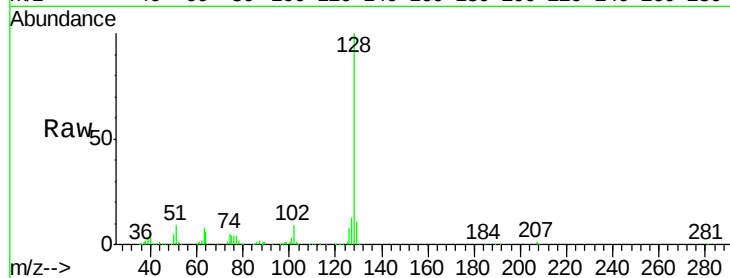
#95
Naphthalene
Concen: 18.448 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 19.551 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008940.D
Acq: 02 Mar 2019 01:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.9	140.8
145	31.8	15.9	47.6

