

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
 Data File : VW008592.D
 Acq On : 11 Feb 2019 12:55
 Operator : SY/VA
 Sample : VW0211SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBSD01

Manual Integrations
 APPROVED

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 2/12/2019 1:51:16 PM

Quant Time: Feb 12 04:46:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	415385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	629722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	566360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	292830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	224909	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
35) Dibromofluoromethane	7.88	113	207741	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
50) Toluene-d8	10.32	98	794362	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	12.62	95	296103	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33861	16.441	ug/l	98
3) Chloromethane	2.21	50	63013	18.584	ug/l	93
4) Vinyl Chloride	2.36	62	87622	20.300	ug/l	98
5) Bromomethane	2.77	94	67660	24.303	ug/l	96
6) Chloroethane	2.92	64	65823	24.936	ug/l	98
7) Trichlorofluoromethane	3.25	101	68078	21.145	ug/l	99
8) Diethyl Ether	3.67	74	43825	21.156	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	74068	19.715	ug/l	94
10) Methyl Iodide	4.26	142	118468	19.964	ug/l	99
11) Tert butyl alcohol	5.18	59	32146	97.842	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	72026	18.944	ug/l	94
13) Acrolein	3.88	56	24957	88.840	ug/l	97
14) Allyl chloride	4.65	41	132849	18.401	ug/l	97
15) Acrylonitrile	5.37	53	94123	105.224	ug/l	99
16) Acetone	4.12	43	92223	100.637	ug/l	95
17) Carbon Disulfide	4.37	76	212301	17.483	ug/l	98
18) Methyl Acetate	4.67	43	49522	20.261	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	138029	21.942	ug/l	96
20) Methylene Chloride	4.90	84	89219	21.123	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	83335	19.496	ug/l	93
22) Diisopropyl ether	6.31	45	262687	19.198	ug/l	96
23) Vinyl Acetate	6.25	43	802407	99.312	ug/l	98
24) 1,1-Dichloroethane	6.20	63	153359	19.800	ug/l	100
25) 2-Butanone	7.17	43	132570	104.151	ug/l	95
26) 2,2-Dichloropropane	7.17	77	101760	19.437	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	93474	20.065	ug/l	97
28) Bromochloromethane	7.51	49	74285	20.882	ug/l	98
29) Tetrahydrofuran	7.52	42	86138	106.790	ug/l	98
30) Chloroform	7.67	83	154636	20.298	ug/l	99
31) Cyclohexane	7.95	56	148015	18.482	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	132475	20.133	ug/l	99
36) 1,1-Dichloropropene	8.07	75	123946	20.837	ug/l	99
37) Ethyl Acetate	7.25	43	59313	22.538	ug/l	99
38) Carbon Tetrachloride	8.06	117	126109	21.068	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	155660	19.920	ug/l	98
40) Benzene	8.32	78	337281	20.434	ug/l	100
41) Methacrylonitrile	7.48	41	35081	22.512	ug/l	99
42) 1,2-Dichloroethane	8.40	62	103395	21.615	ug/l	99
43) Isopropyl Acetate	8.42	43	114779	20.993	ug/l	99
44) Trichloroethene	9.09	130	93655	20.865	ug/l	99
45) 1,2-Dichloropropane	9.37	63	84515	20.535	ug/l	99
46) Dibromomethane	9.45	93	45783	21.628	ug/l	99
47) Bromodichloromethane	9.64	83	114120	20.382	ug/l	96
48) Methyl methacrylate	9.43	41	55086	20.605	ug/l	98
49) 1,4-Dioxane	9.45	88	14830	414.470	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	296003	109.585	ug/l	99
52) Toluene	10.38	92	219520	20.147	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	119669	20.086	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	137957	20.404	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	63762	21.716	ug/l	98
56) Ethyl methacrylate	10.65	69	82245	19.991	ug/l	98
57) 1,3-Dichloropropane	10.93	76	111376	21.174	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	243949	122.038	ug/l	99
59) 2-Hexanone	10.97	43	210364	110.318	ug/l	99
60) Dibromochloromethane	11.13	129	78749	20.871	ug/l	98
61) 1,2-Dibromoethane	11.24	107	61548	21.141	ug/l	97
64) Tetrachloroethene	10.86	164	81837	21.342	ug/l	97
65) Chlorobenzene	11.66	112	240487	20.801	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	88531	21.403	ug/l	98
67) Ethyl Benzene	11.73	91	429015	20.187	ug/l	99
68) m/p-Xylenes	11.84	106	329909	40.010	ug/l	99
69) o-Xylene	12.16	106	158095	20.179	ug/l	97
70) Styrene	12.18	104	251499	19.434	ug/l	98
71) Bromoform	12.35	173	47008	20.198	ug/l	# 99
73) Isopropylbenzene	12.46	105	439495	20.132	ug/l	99
74) N-amyl acetate	12.27	43	115024	20.452	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	74114	21.443	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41665m	16.365	ug/l	
77) Bromobenzene	12.75	156	101075	21.200	ug/l	96
78) n-propylbenzene	12.80	91	527198	20.106	ug/l	99
79) 2-Chlorotoluene	12.89	91	293460	19.834	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	363152	19.902	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	24347	18.888	ug/l	93
82) 4-Chlorotoluene	12.99	91	307367	19.512	ug/l	98
83) tert-Butylbenzene	13.21	119	325755	20.062	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	377306	20.343	ug/l	99
85) sec-Butylbenzene	13.38	105	466173	20.103	ug/l	98
86) p-Isopropyltoluene	13.50	119	415523	20.456	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	203211	21.105	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	200050	20.906	ug/l	99
89) n-Butylbenzene	13.83	91	400646	20.088	ug/l	99
90) Hexachloroethane	14.10	117	79150	19.925	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	179202	21.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13876	21.159	ug/l	95

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ClientSampleId :
VW0211SBSD01

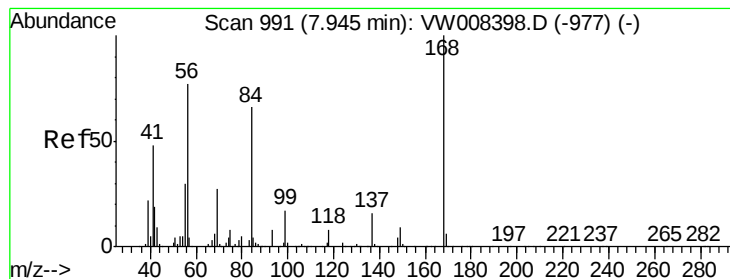
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	134469	22.117	ug/l	99
94) Hexachlorobutadiene	15.24	225	80340	21.927	ug/l	98
95) Naphthalene	15.37	128	236486	22.153	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	115598	22.414	ug/l	100

(#) = 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. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion:168 Resp: 415385

Ion Ratio Lower Upper

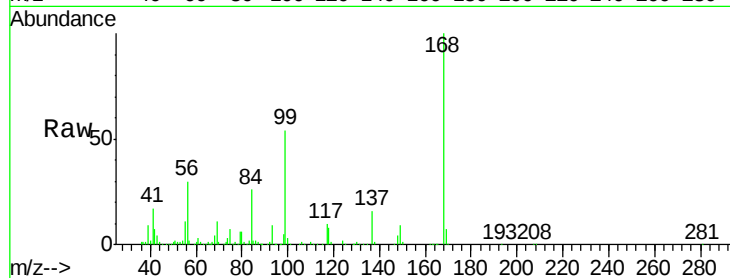
168 100

99 54.0 45.5 68.3

Manual Integrations
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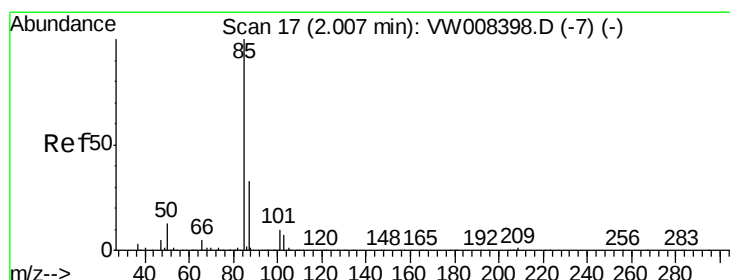
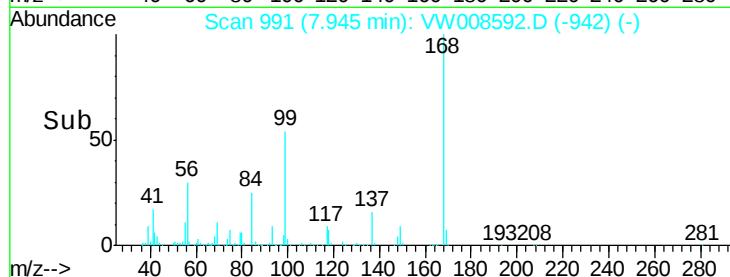
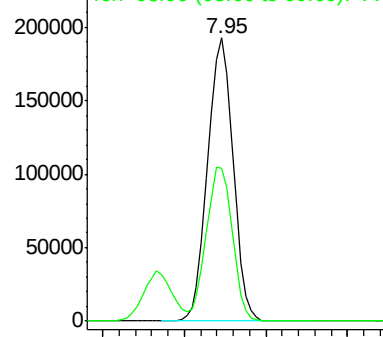
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.441 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008592.D

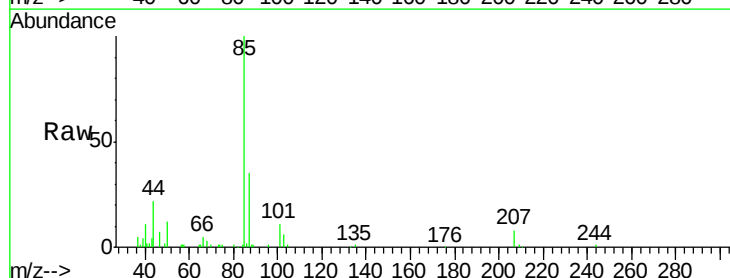
Acq: 11 Feb 2019 12:55

Tgt Ion: 85 Resp: 33861

Ion Ratio Lower Upper

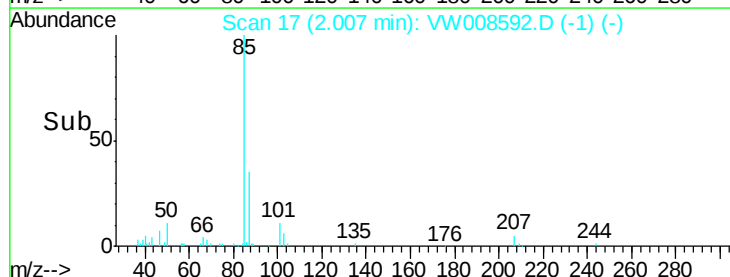
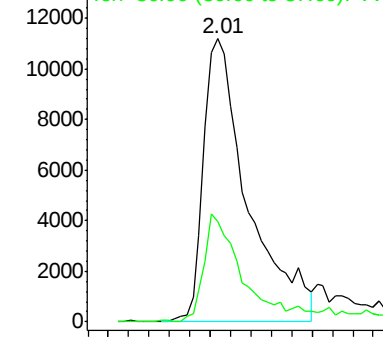
85 100

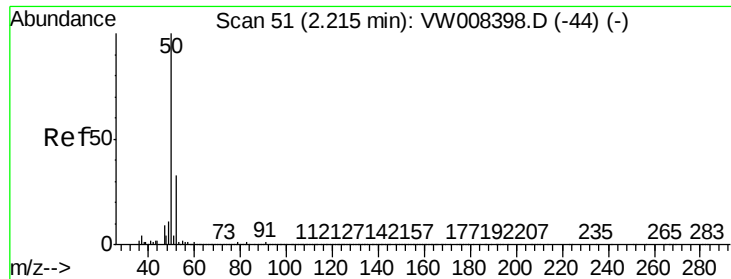
87 34.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.584 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 50 Resp: 63013

Ion Ratio Lower Upper

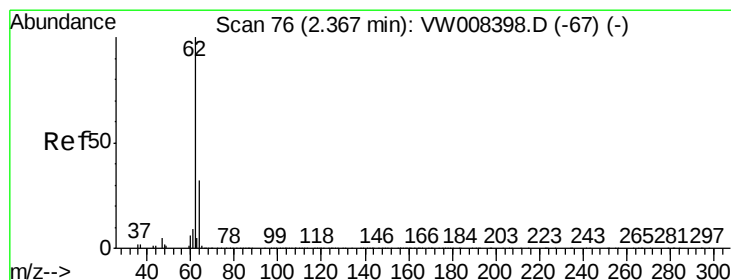
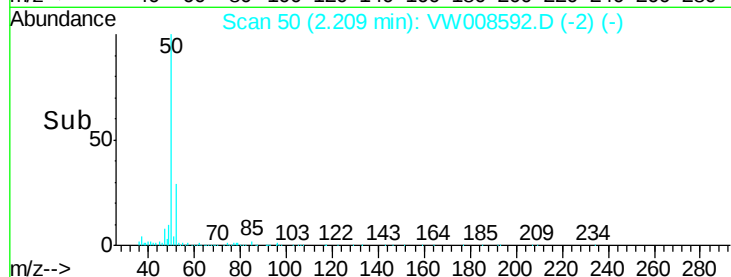
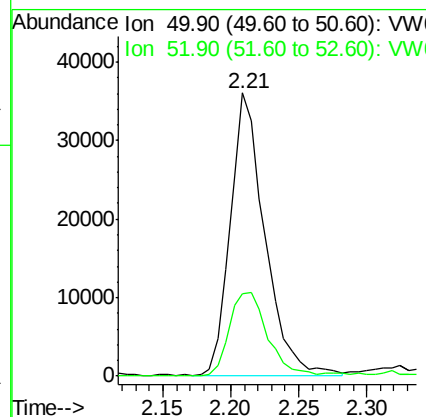
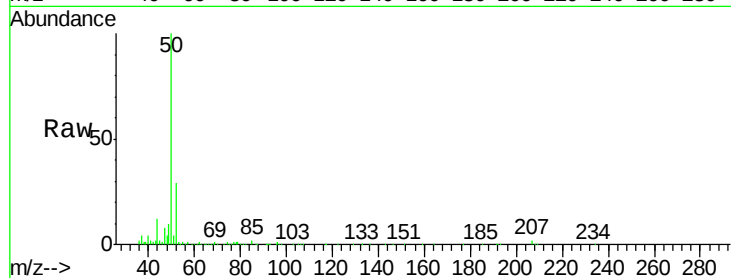
50 100

52 29.1 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.300 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008592.D

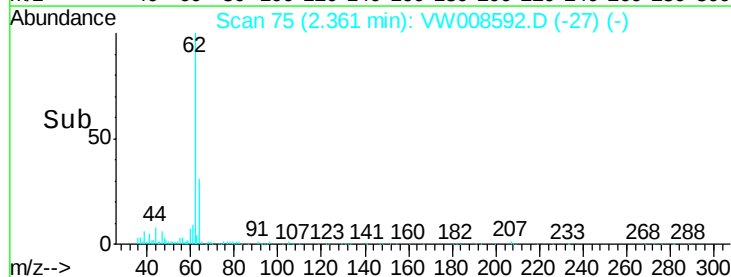
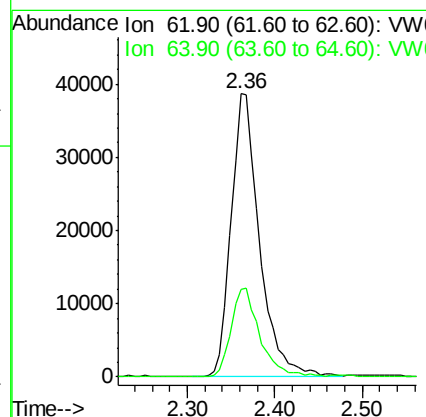
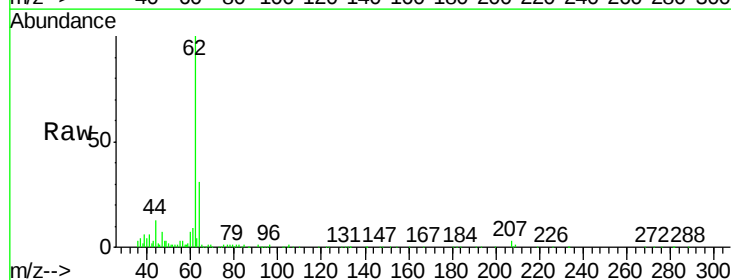
Acq: 11 Feb 2019 12:55

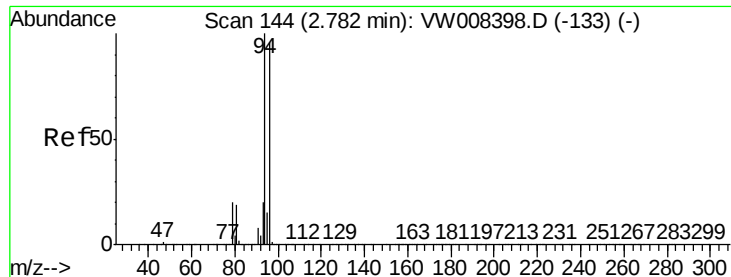
Tgt Ion: 62 Resp: 87622

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 24.303 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 94 Resp: 67660

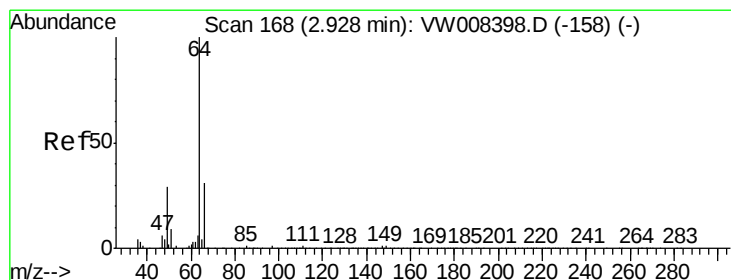
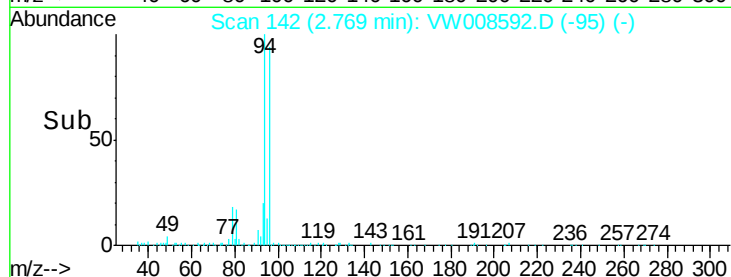
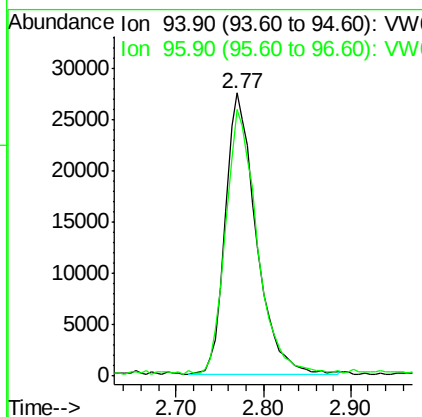
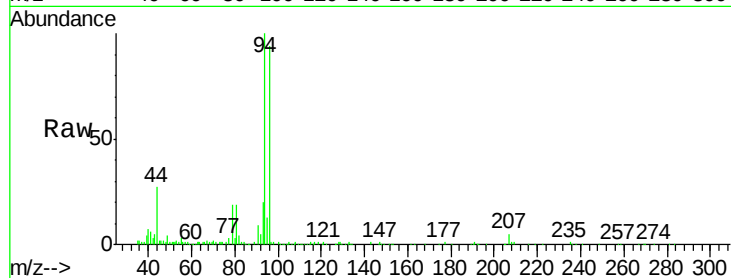
Ion Ratio Lower Upper

94 100

96 92.8 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 24.936 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008592.D

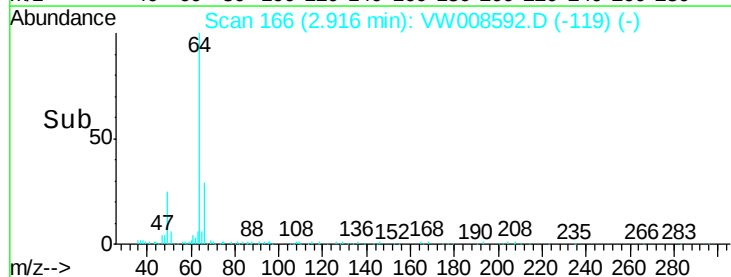
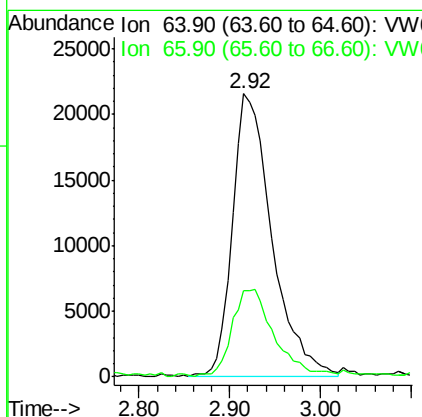
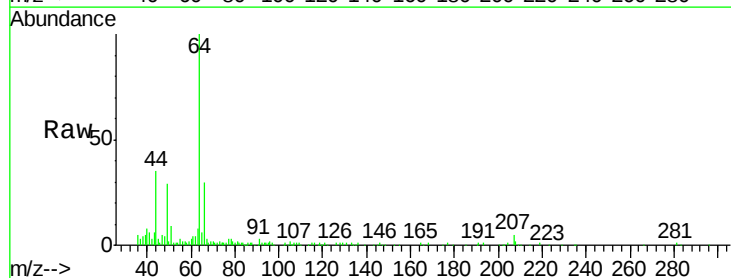
Acq: 11 Feb 2019 12:55

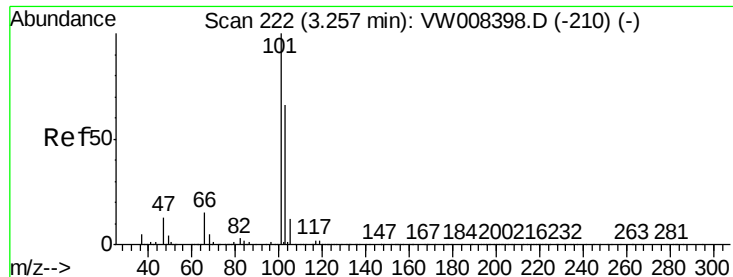
Tgt Ion: 64 Resp: 65823

Ion Ratio Lower Upper

64 100

66 29.8 24.9 37.3





#7

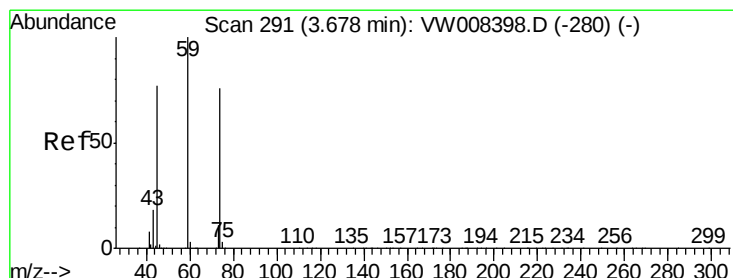
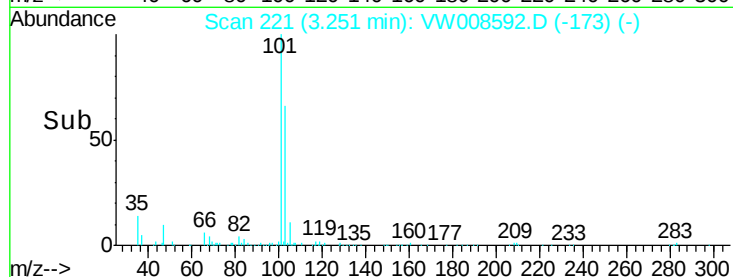
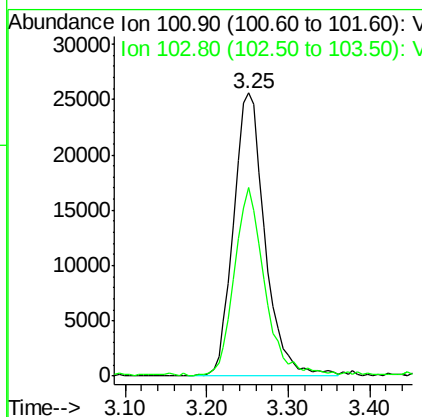
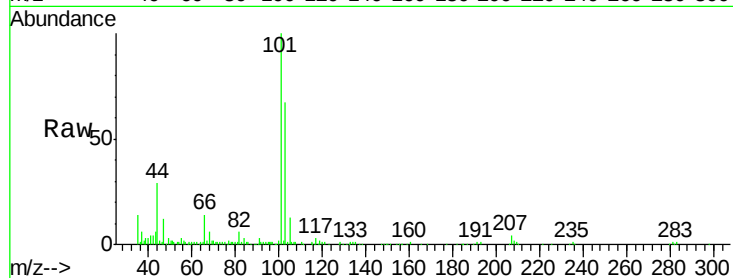
Trichlorofluoromethane
Concen: 21.145 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
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ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.5	78.7

Manual Integrations
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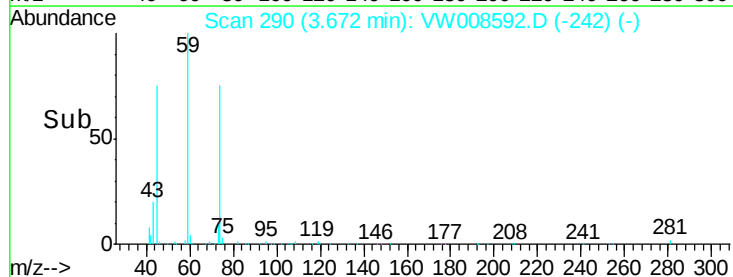
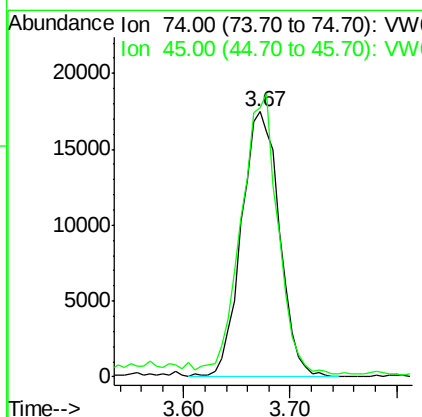
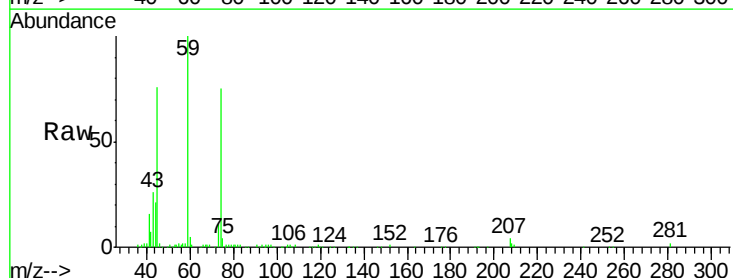
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#8

Diethyl Ether
Concen: 21.156 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.715 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

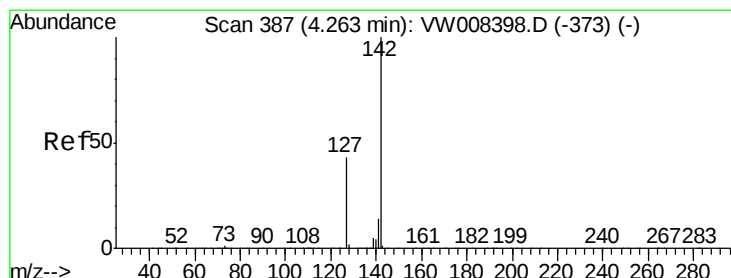
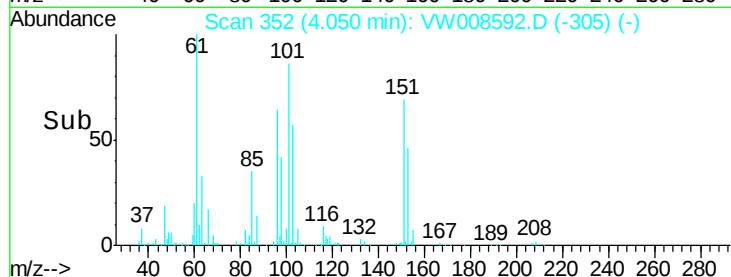
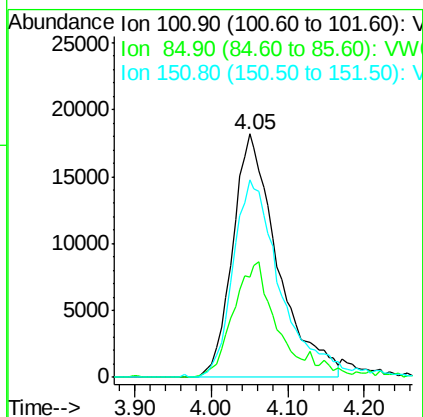
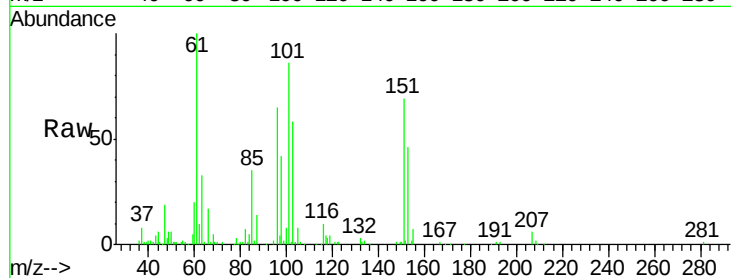
ClientSampleId :

VW0211SBSD01

Tot Ion:	101	Resp:	74068
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.0	52.4
151	85.4	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.964 ug/l

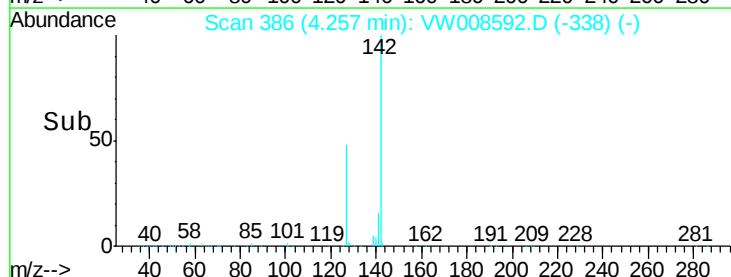
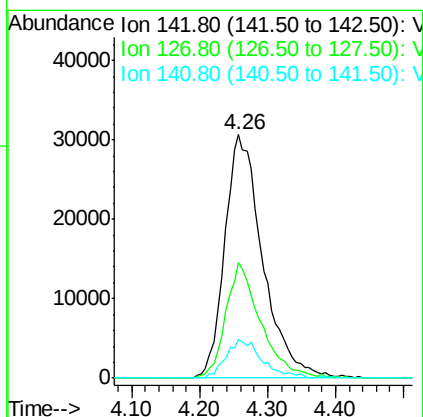
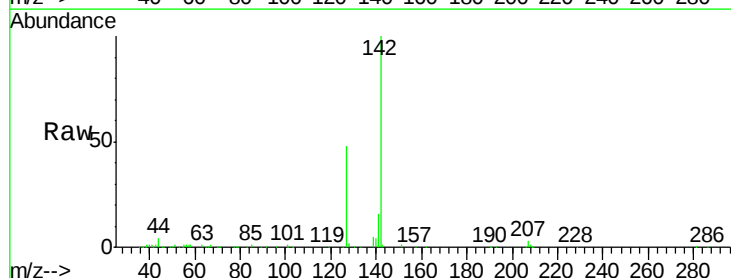
RT: 4.26 min Scan# 386

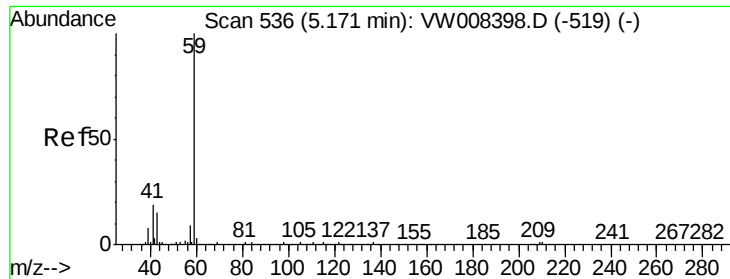
Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	142	Resp:	118468
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.6	52.0
141	15.2	11.4	17.2





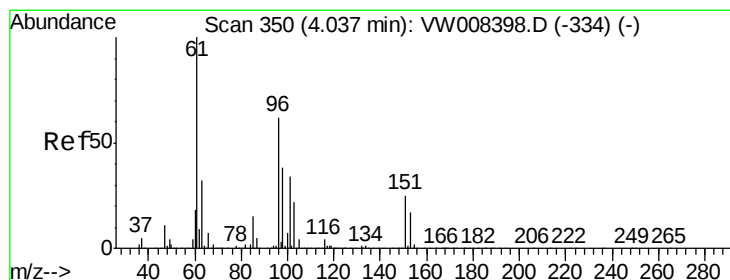
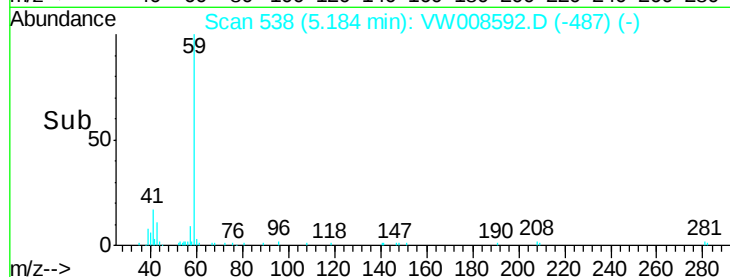
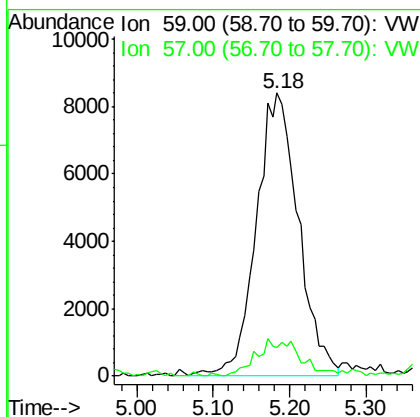
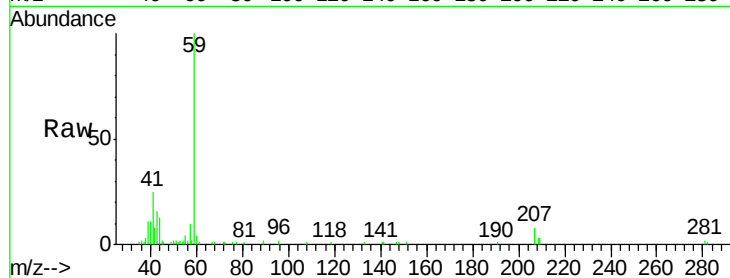
#11
Tert butyl alcohol
Concen: 97.842 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.7	9.3	13.9#

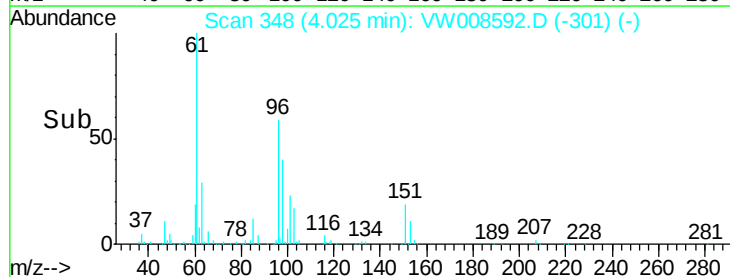
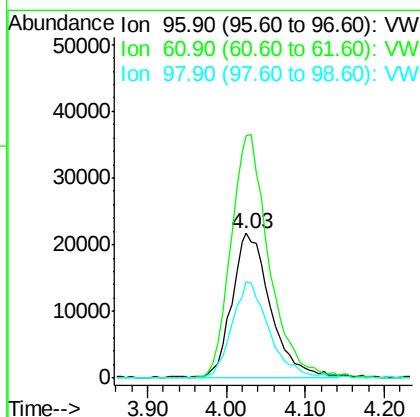
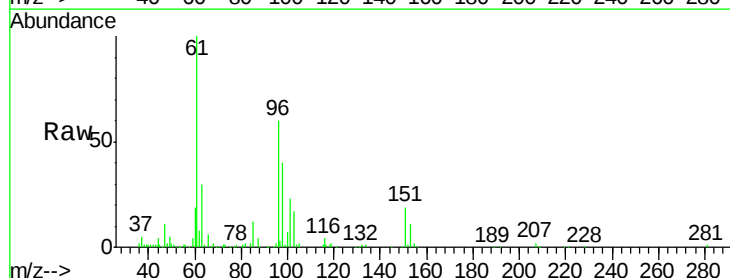
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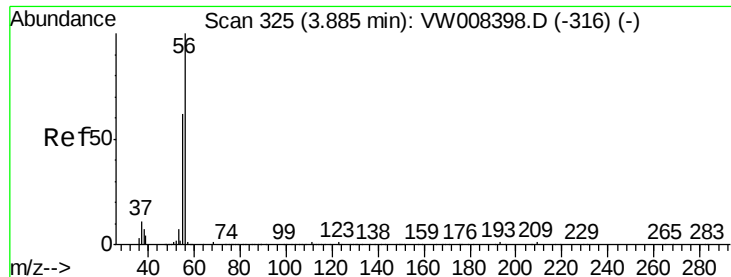
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.944 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	129.5	194.3
98	66.9	48.6	73.0





#13

Acrolein

Concen: 88.840 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 56 Resp: 24957

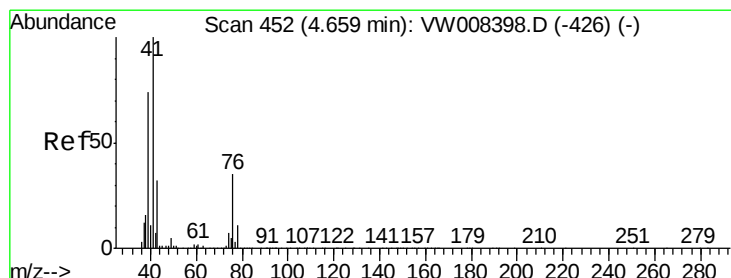
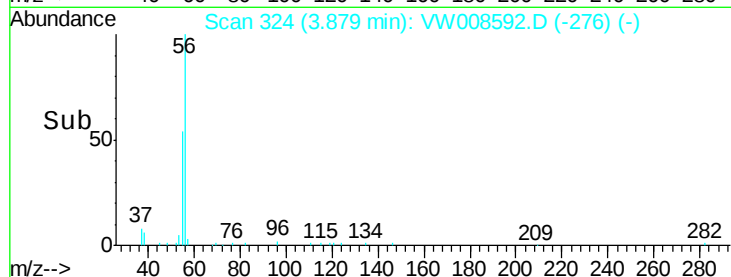
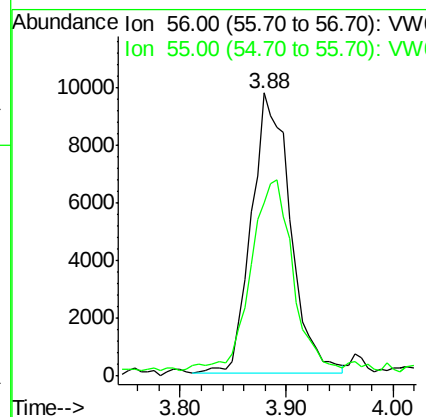
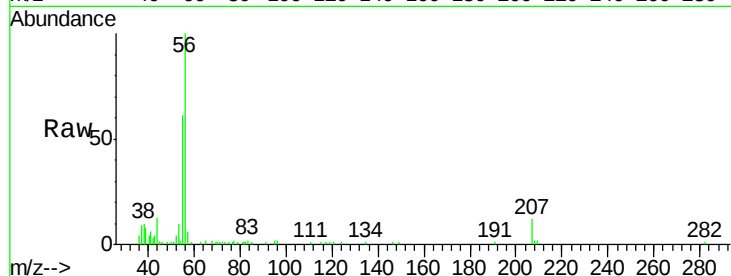
Ion Ratio Lower Upper

56 100

55 73.7 56.7 85.1

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#14

Allyl chloride

Concen: 18.401 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

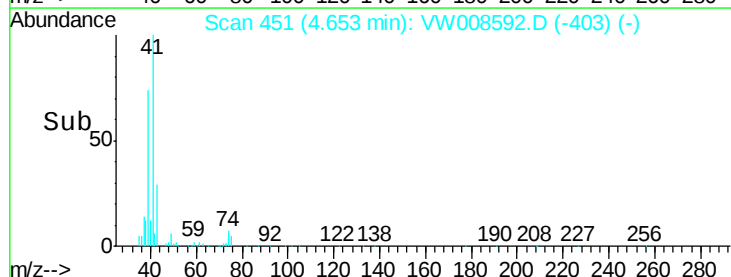
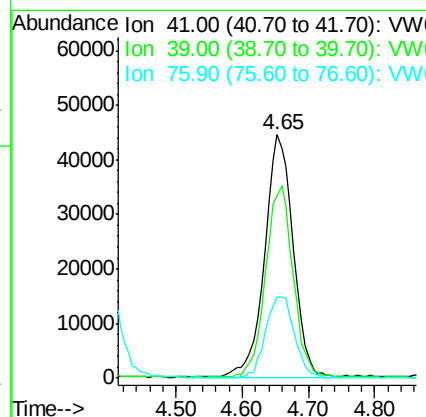
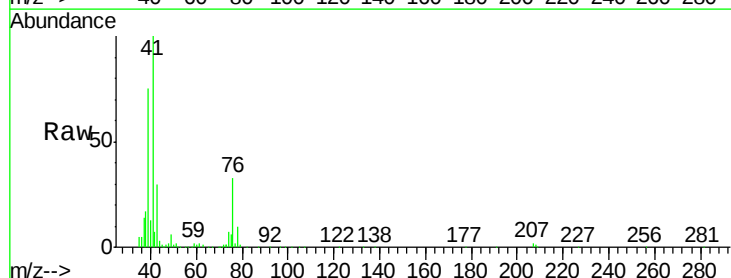
Tgt Ion: 41 Resp: 132849

Ion Ratio Lower Upper

41 100

39 75.8 57.7 86.5

76 34.3 26.9 40.3





#15

Acrylonitrile

Concen: 105.224 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

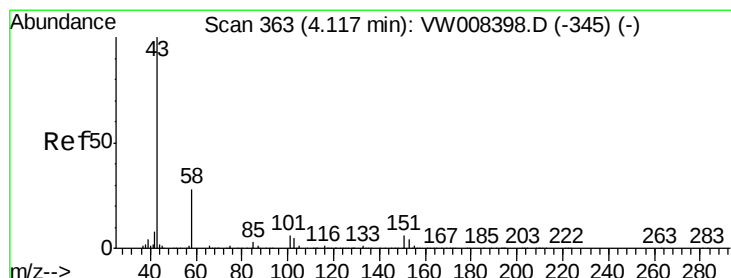
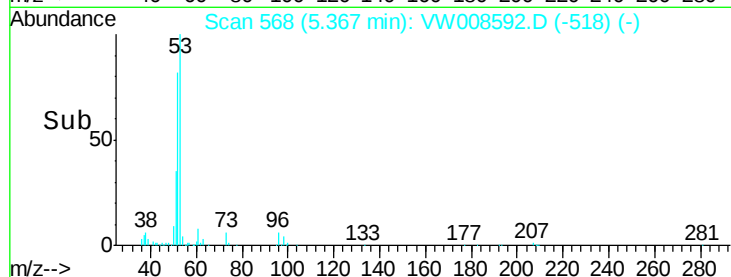
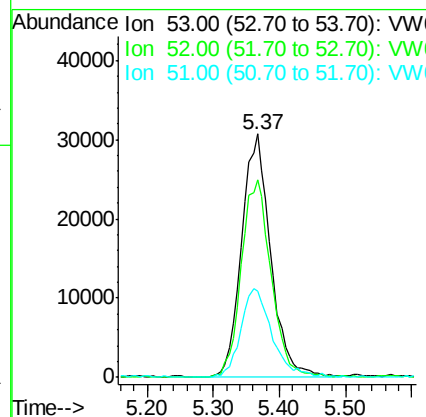
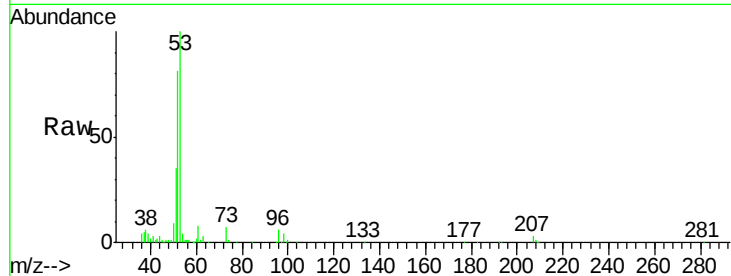
ClientSampleId :

VW0211SBSD01

Tot Ion:	53	Resp:	94123
Ion Ratio	Lower	Upper	
53	100		
52	82.9	67.0	100.4
51	38.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 100.637 ug/l

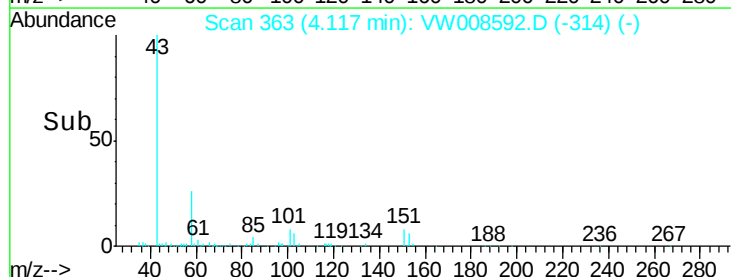
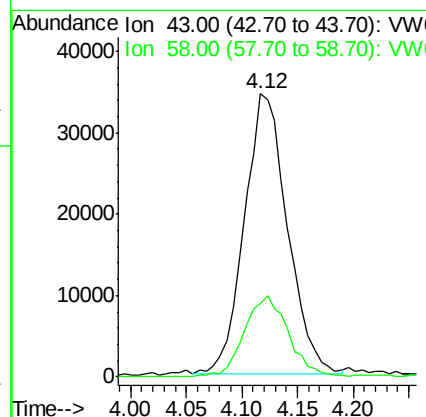
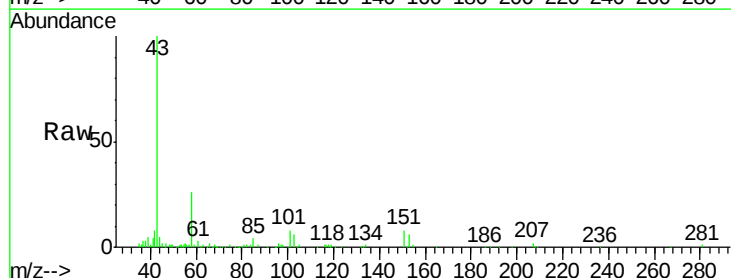
RT: 4.12 min Scan# 363

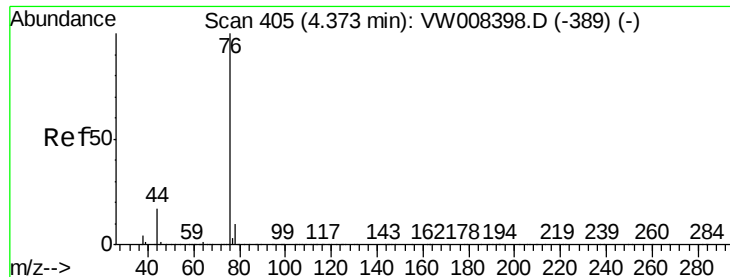
Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	43	Resp:	92223
Ion Ratio	Lower	Upper	
43	100		
58	25.7	22.6	34.0





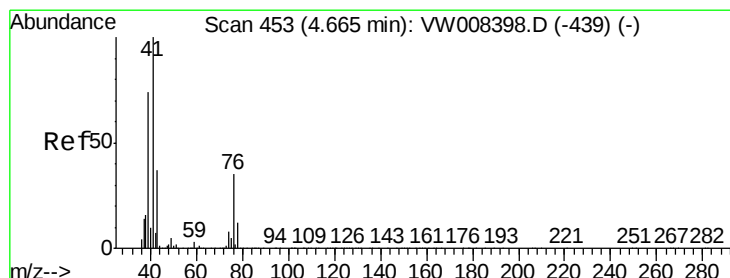
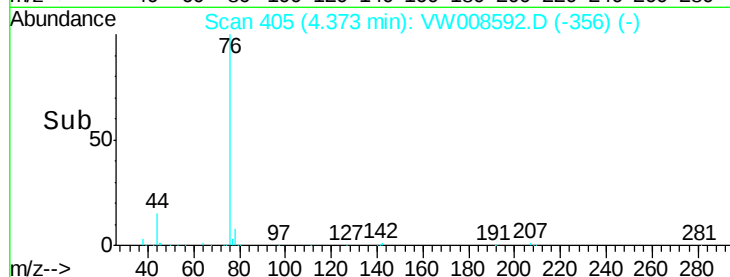
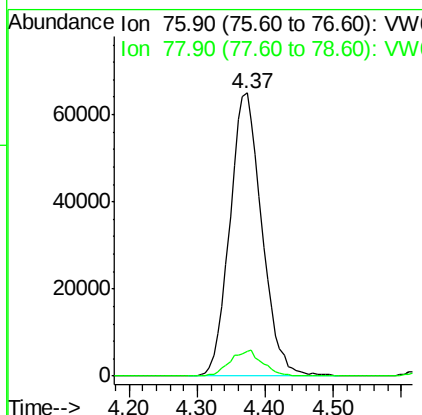
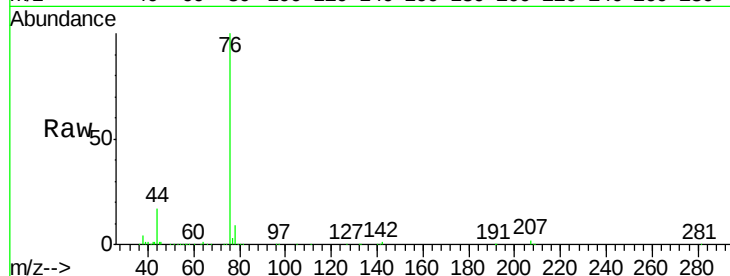
#17
Carbon Disulfide
Concen: 17.483 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.7	11.5

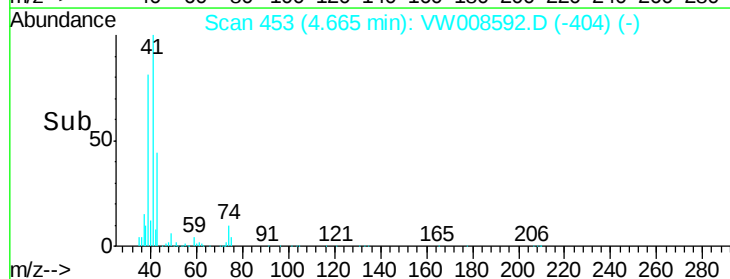
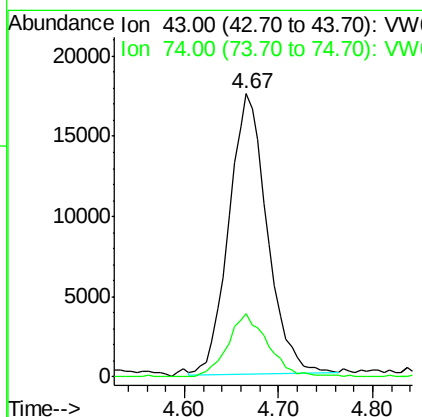
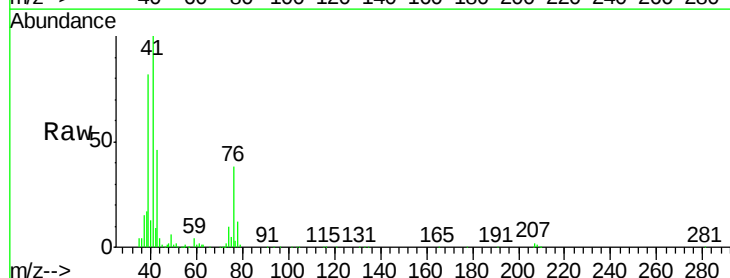
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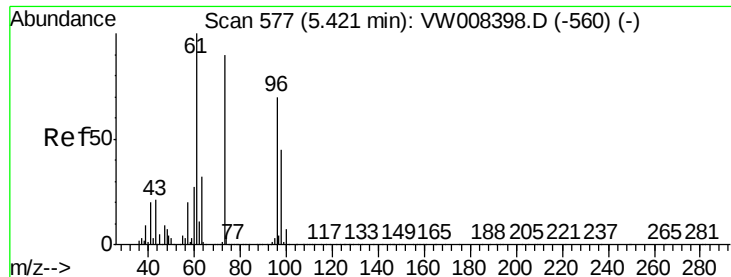
MMDadoda
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#18
Methyl Acetate
Concen: 20.261 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	17.5	26.3





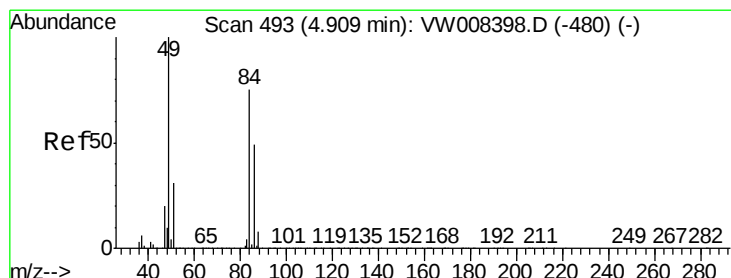
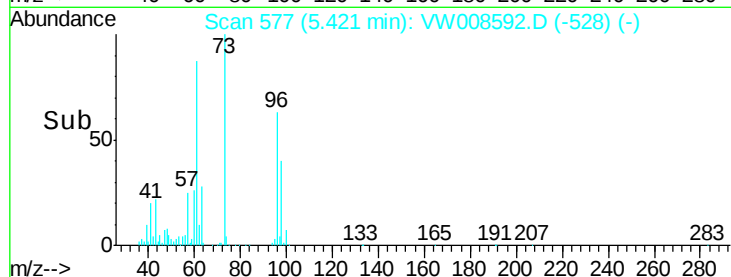
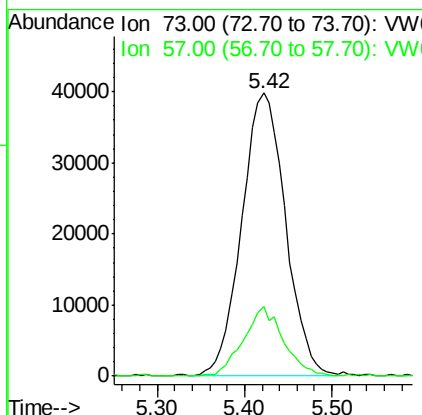
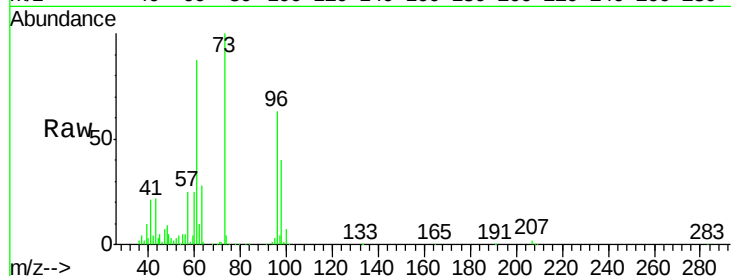
#19
Methvl tert-butvl Ether
Concen: 21.942 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	18.0	27.0

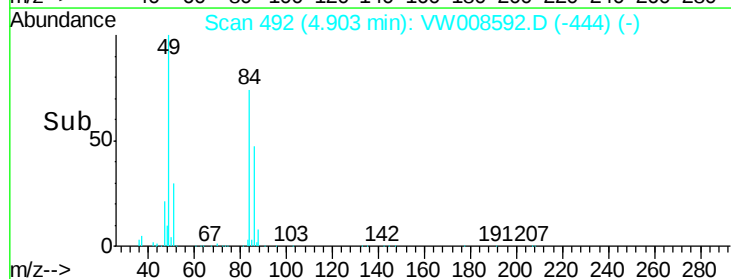
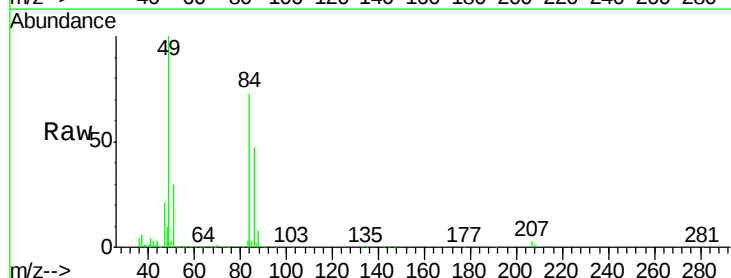
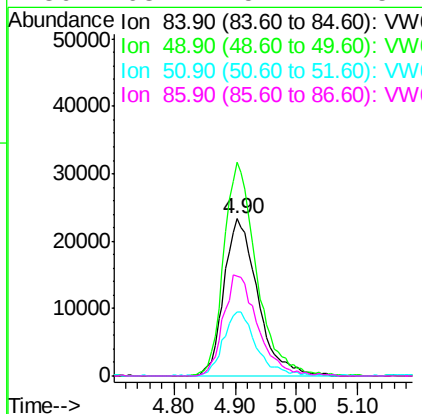
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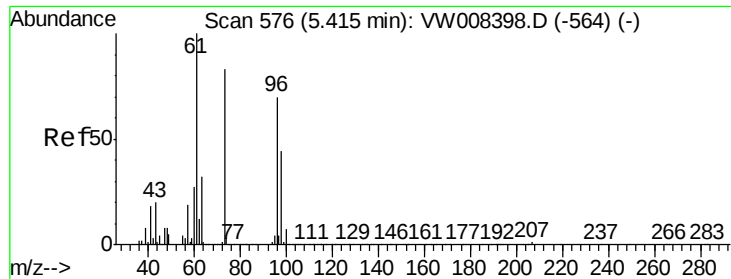
MMDadoda
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#20
Methylene Chloride
Concen: 21.123 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.2	106.8	160.2
51	40.2	32.9	49.3
86	63.4	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 19.496 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

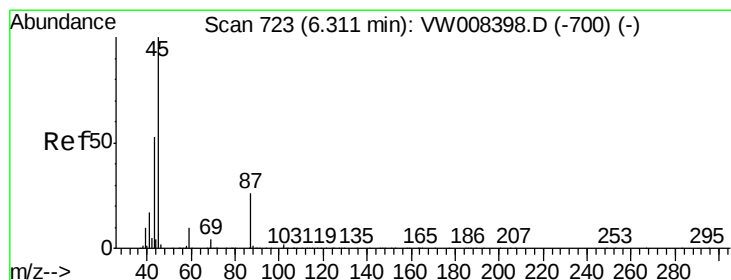
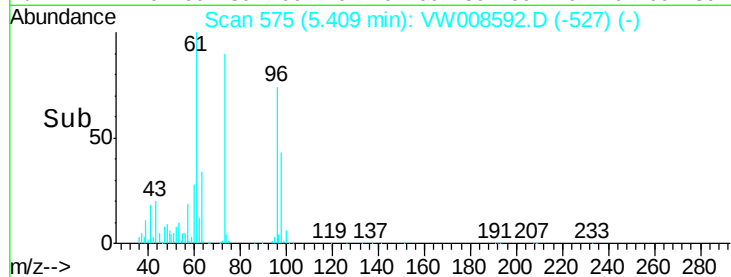
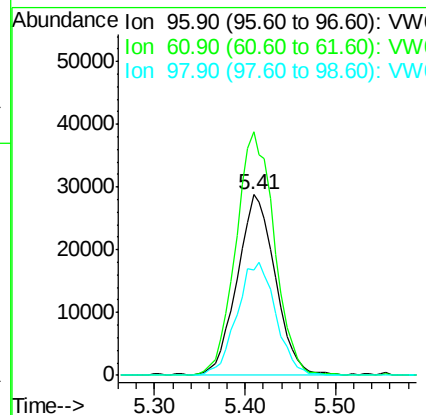
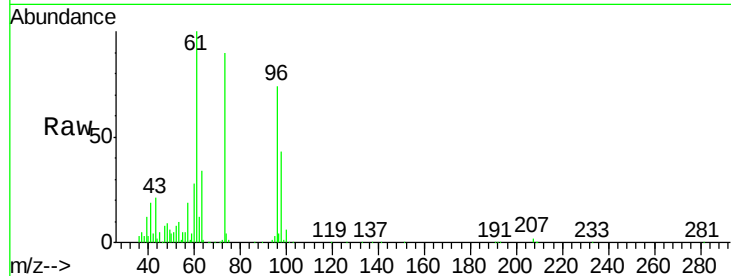
ClientSampleId :

VW0211SBSD01

Tot Ion:	96	Resp:	83335
Ion Ratio	Lower	Upper	
96	100		
61	134.9	114.4	171.6
98	58.1	50.6	75.8

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#22

Diisopropyl ether

Concen: 19.198 ug/l

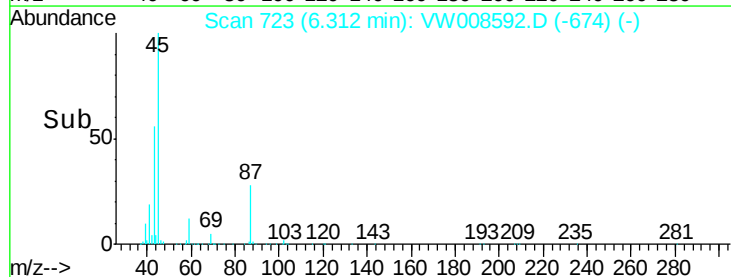
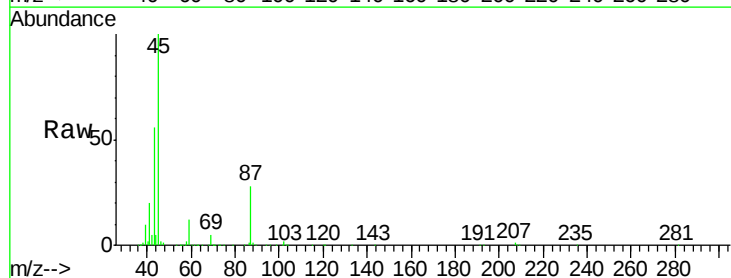
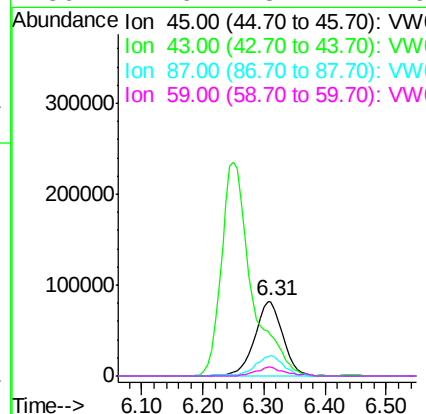
RT: 6.31 min Scan# 723

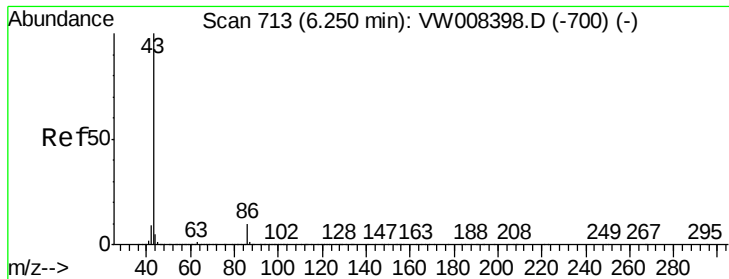
Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	45	Resp:	262687
Ion Ratio	Lower	Upper	
45	100		
43	55.7	42.6	63.8
87	27.6	20.3	30.5
59	11.6	8.4	12.6





#23

Vinyl Acetate

Concen: 99.312 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 43 Resp: 802407

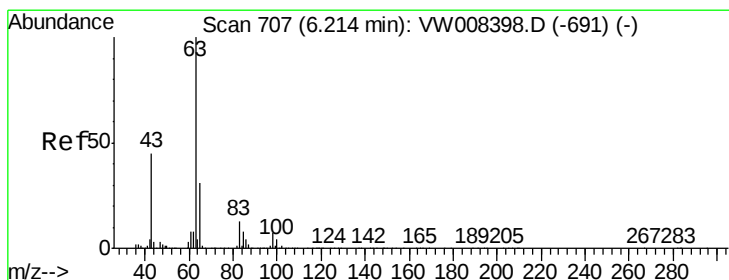
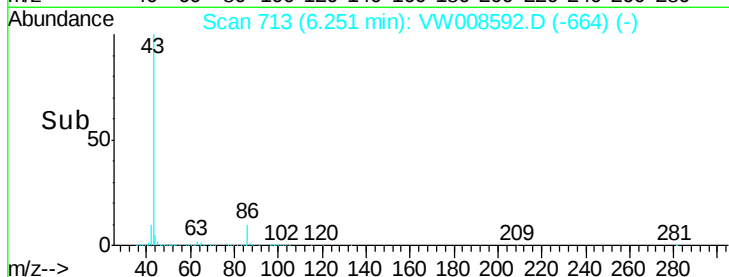
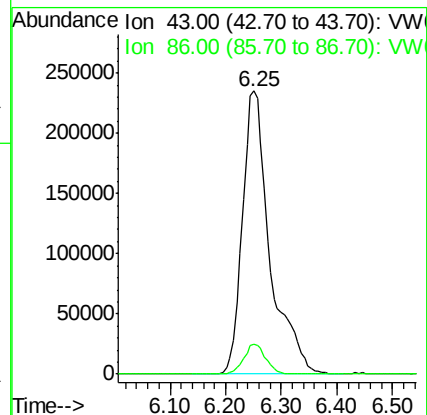
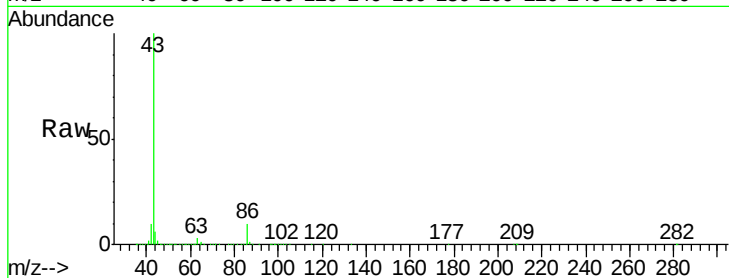
Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 19.800 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

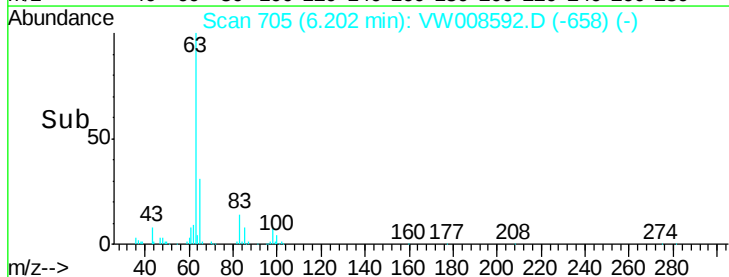
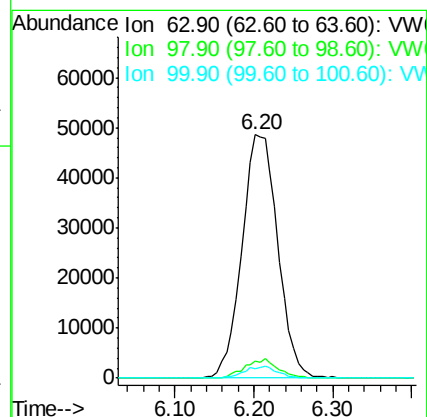
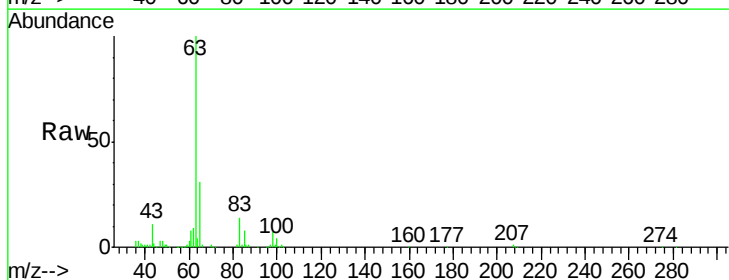
Tgt Ion: 63 Resp: 153359

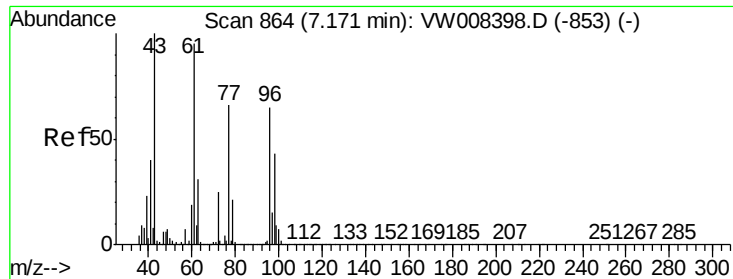
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 104.151 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 43 Resp: 132570

Ion Ratio Lower Upper

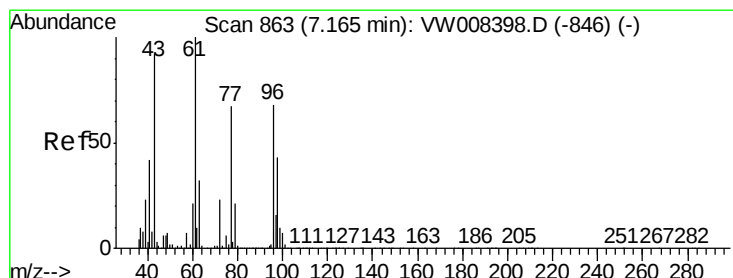
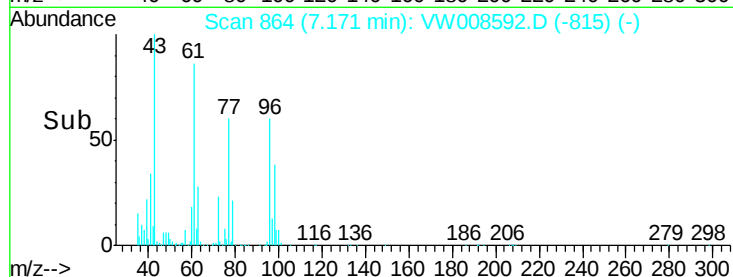
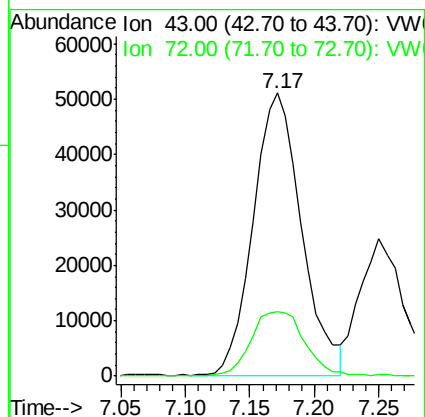
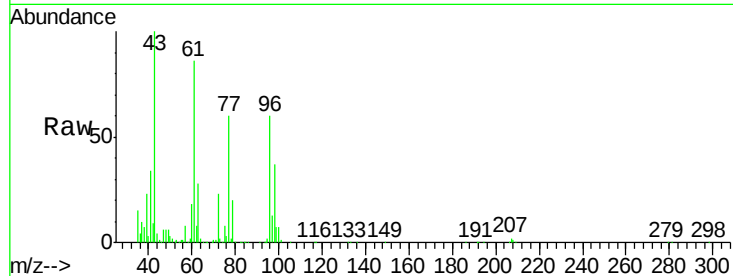
43 100

72 22.6 20.1 30.1

Manual Integrations
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2/12/2019 1:51:16 PM



#26

2,2-Dichloropropane

Concen: 19.437 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008592.D

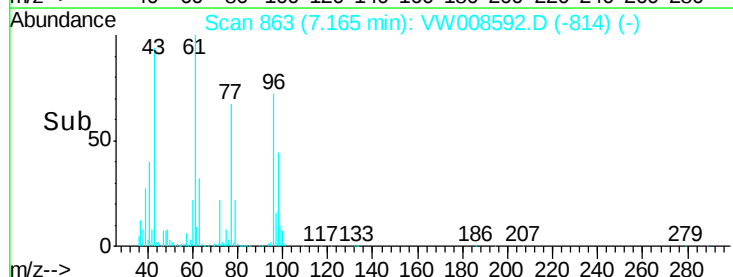
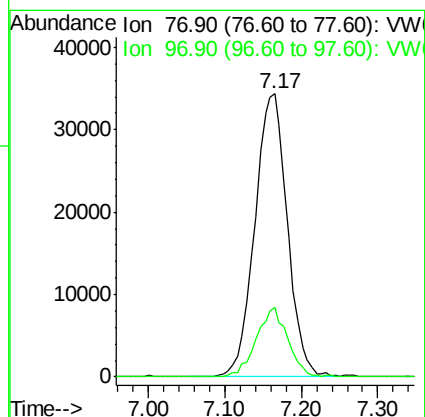
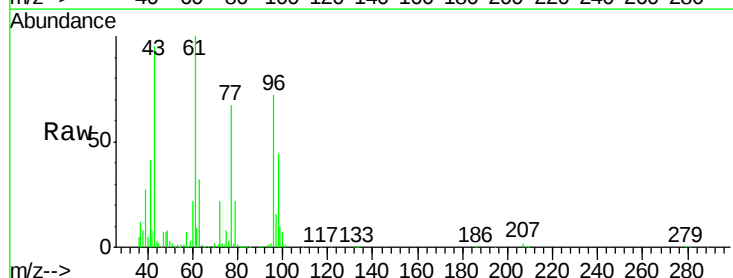
Acq: 11 Feb 2019 12:55

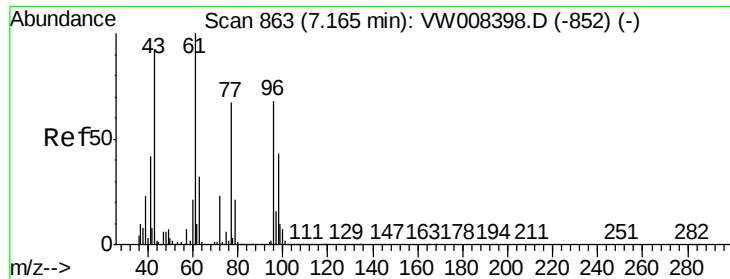
Tgt Ion: 77 Resp: 101760

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5





#27

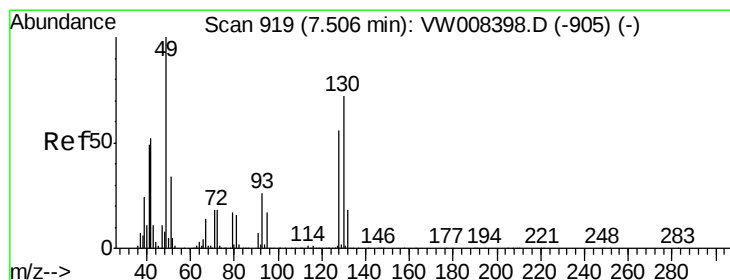
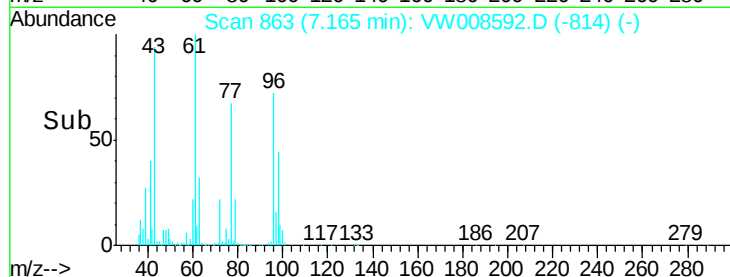
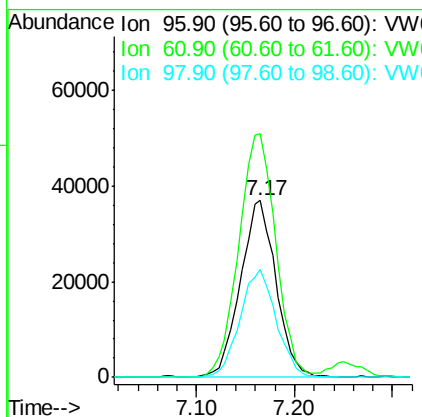
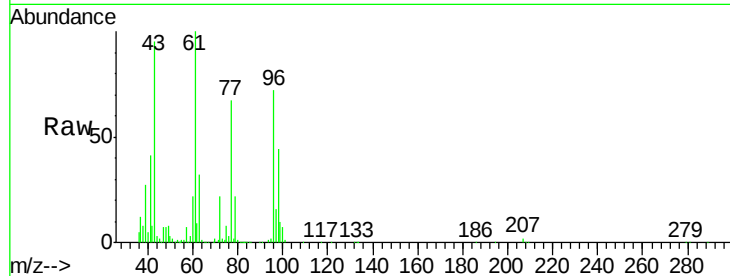
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	292.8
98	61.8	0.0	129.2

Manual Integrations
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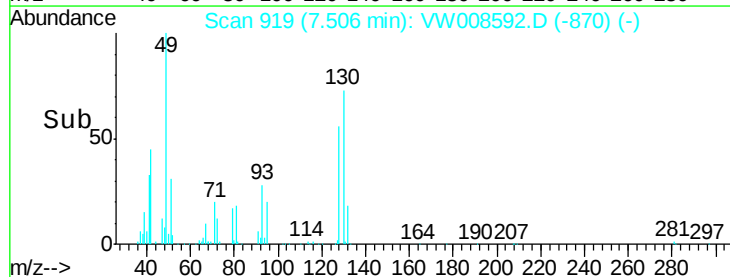
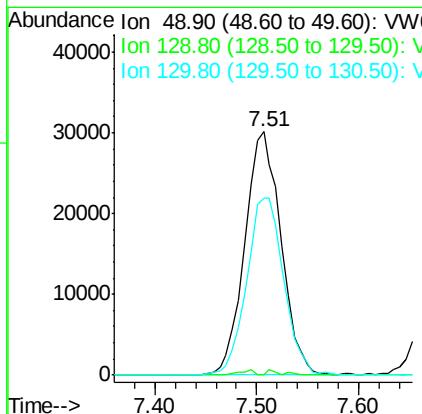
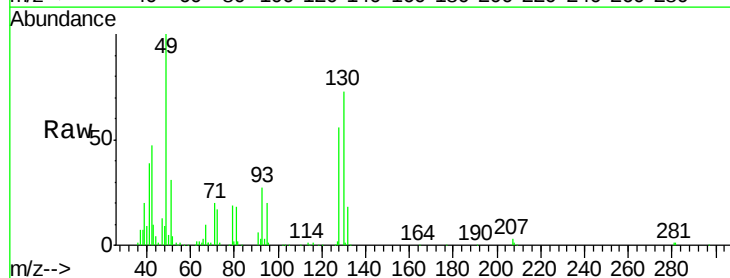
MMDadoda
2/12/2019 1:51:16 PM

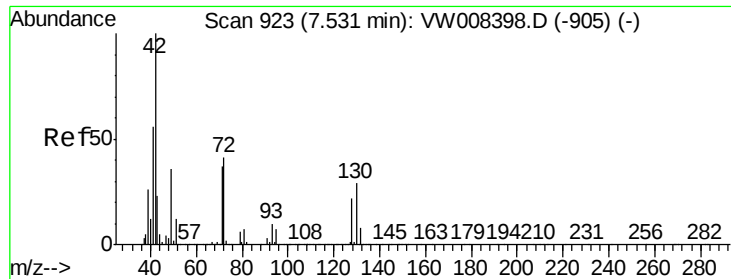


#28

Bromochloromethane
Concen: 20.882 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.6
130	74.6	58.6	87.8





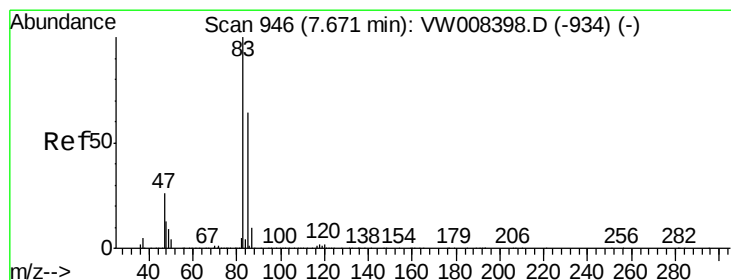
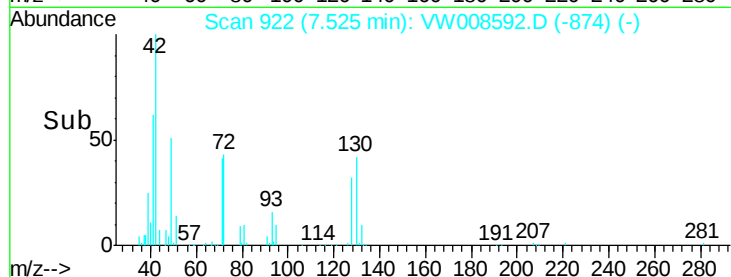
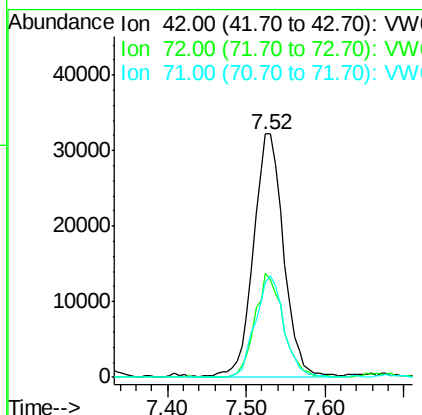
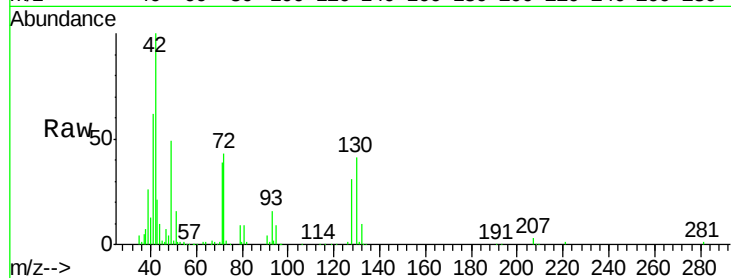
#29
Tetrahydrofuran
Concen: 106.790 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.9	47.9
71	39.3	29.9	44.9

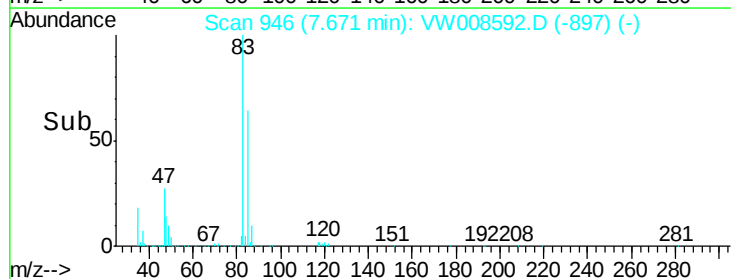
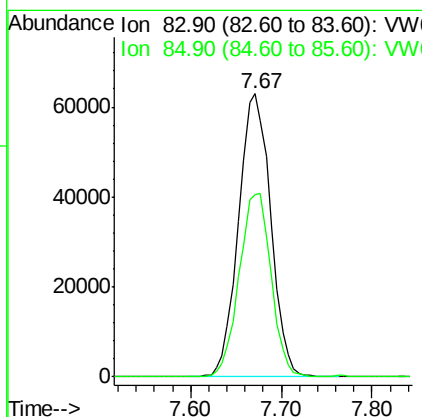
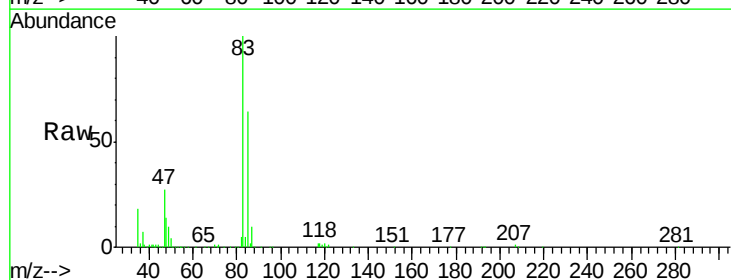
Manual Integrations
APPROVED

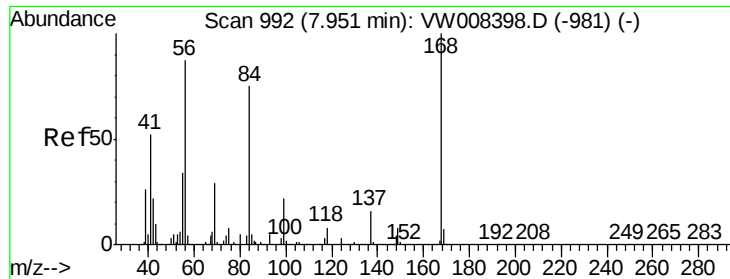
MMDadoda
2/12/2019 1:51:16 PM



#30
Chloroform
Concen: 20.298 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3





#31

Cyclohexane

Concen: 18.482 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

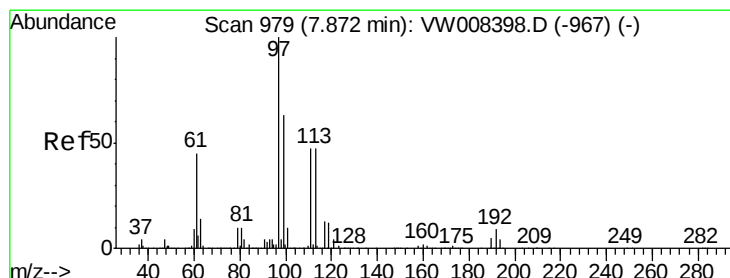
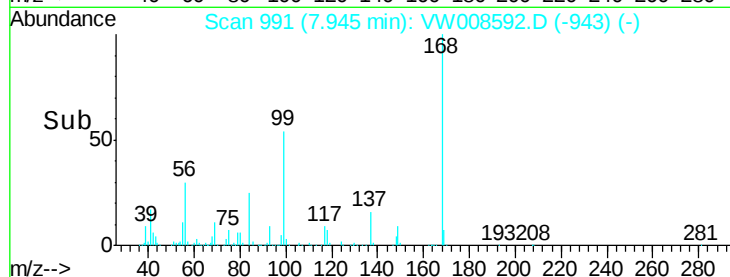
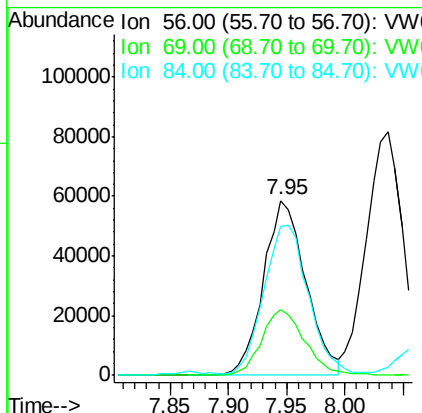
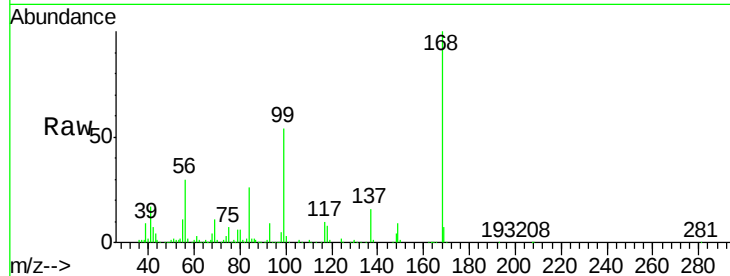
ClientSampleId :

VW0211SBSD01

Tot Ion:	56	Resp:	148015
Ion Ratio		Lower	Upper
56	100		
69	37.5	26.4	39.6
84	83.1	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.133 ug/l

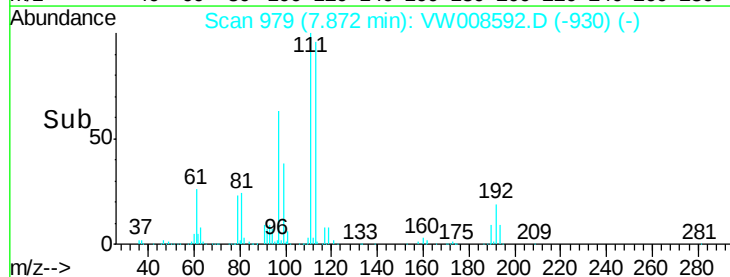
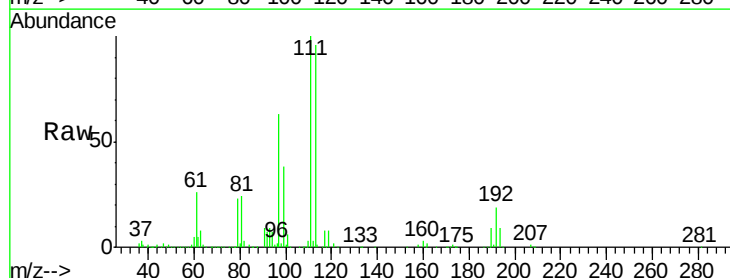
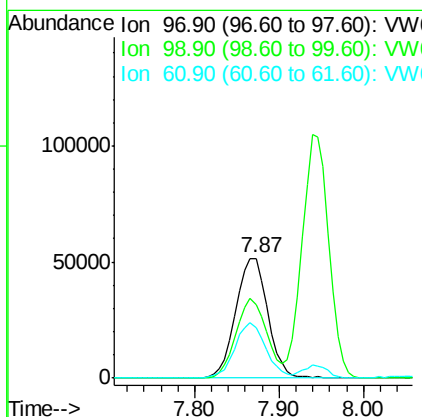
RT: 7.87 min Scan# 979

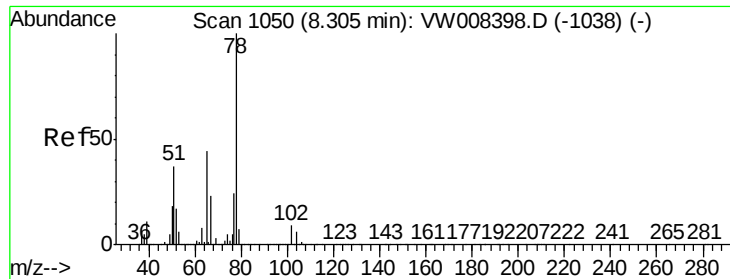
Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	97	Resp:	132475
Ion Ratio		Lower	Upper
97	100		
99	63.8	51.3	76.9
61	44.7	36.2	54.4





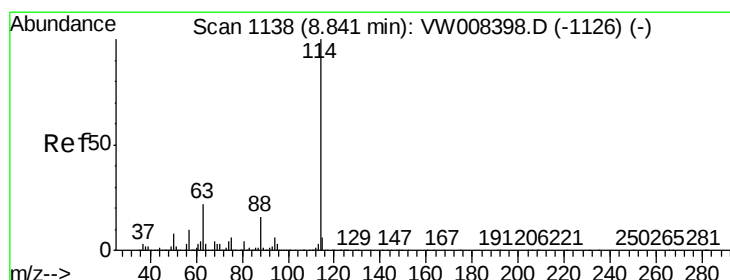
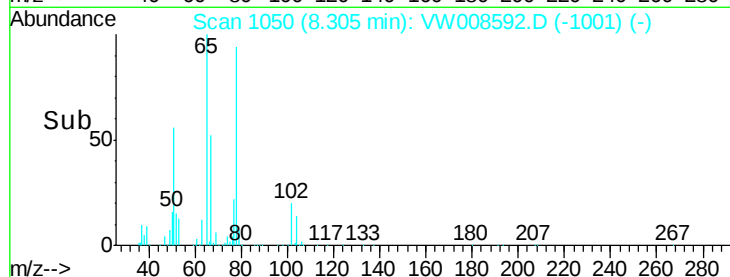
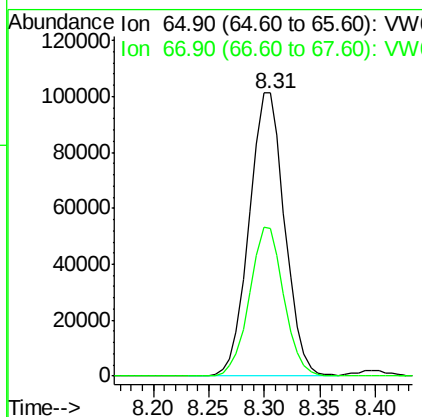
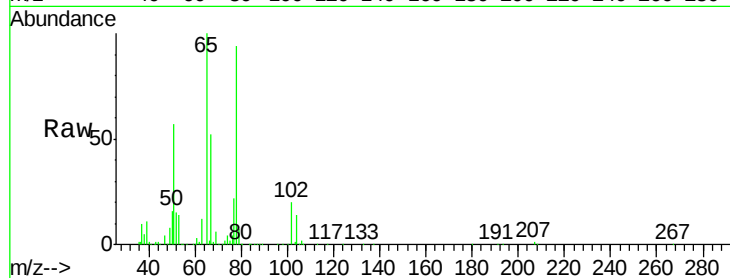
#33
 1,2-Dichloroethane-d4
 Concen: 55.114 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224909		
67	51.1	0.0	104.0	

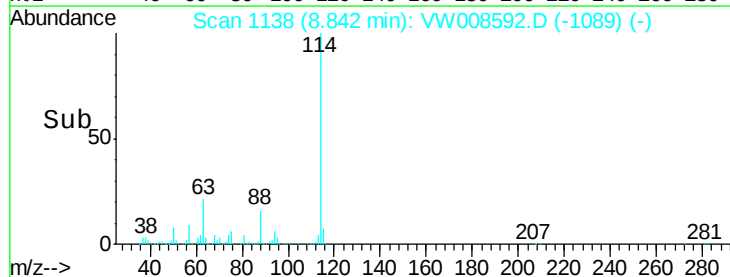
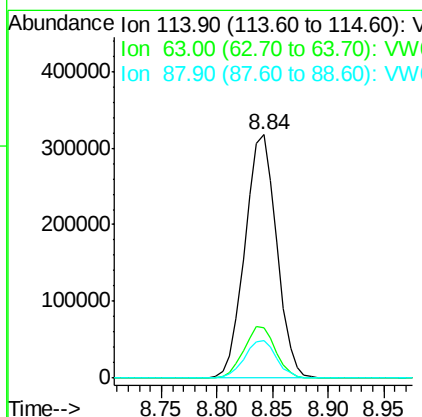
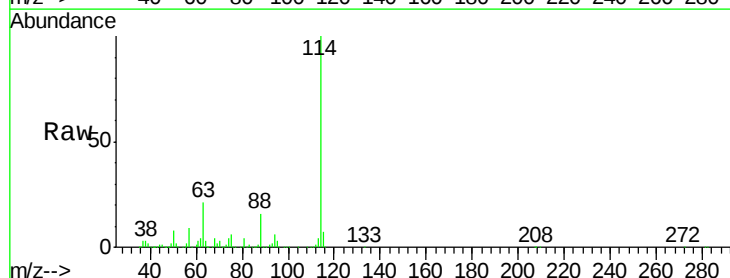
Manual Integrations
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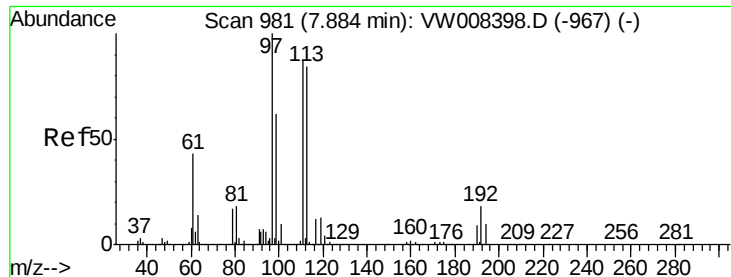
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	629722		
63	20.8	0.0	43.6	
88	15.7	0.0	31.8	





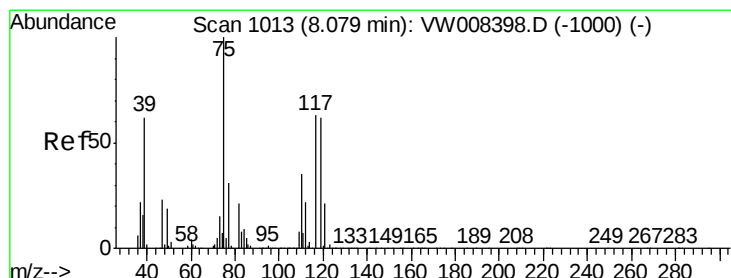
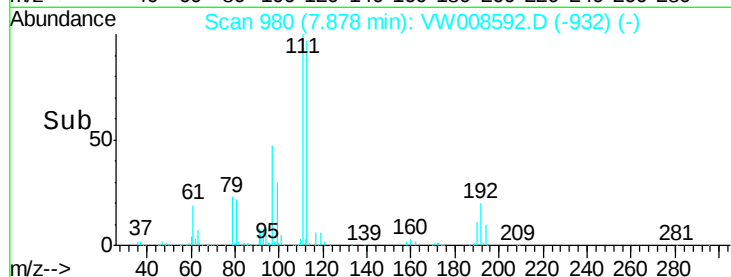
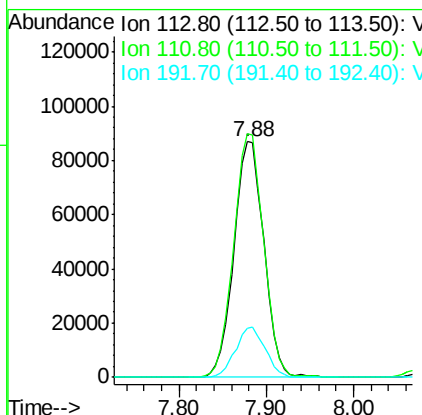
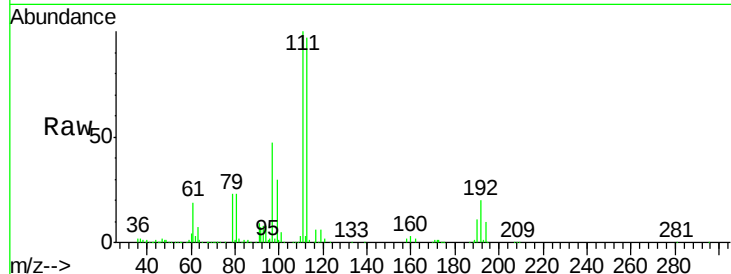
#35
 Dibromofluoromethane
 Concen: 56.418 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	207741		
111	103.5	81.0	121.4	
192	21.0	16.8	25.2	

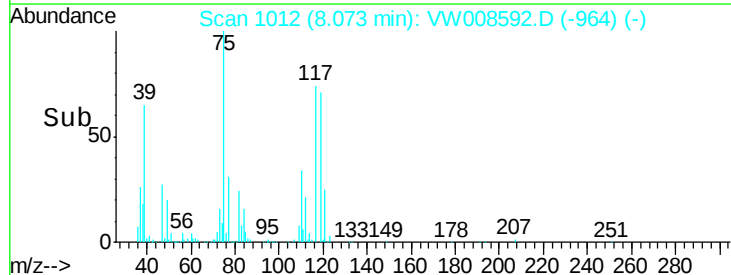
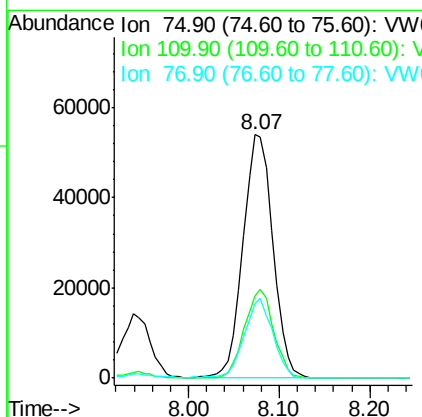
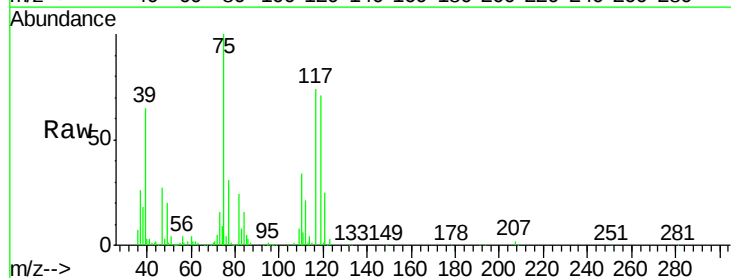
Manual Integrations
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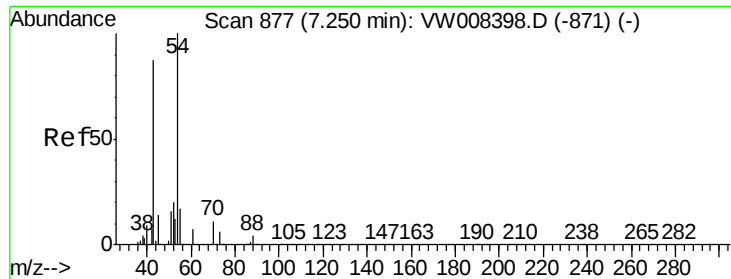
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#36
 1,1-Dichloropropene
 Concen: 20.837 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123946		
110	35.5	17.3	52.0	
77	31.1	24.7	37.1	





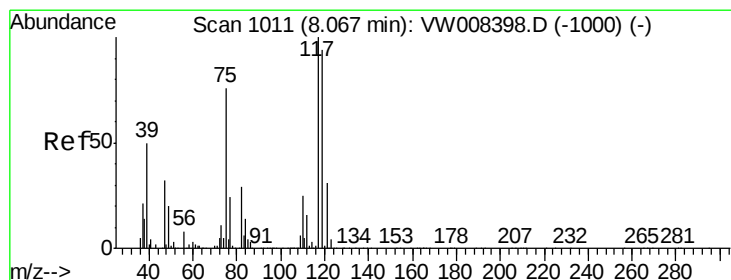
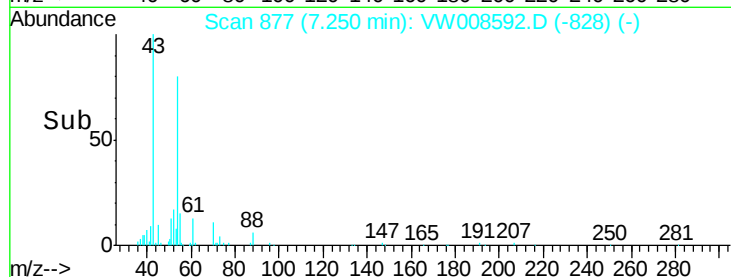
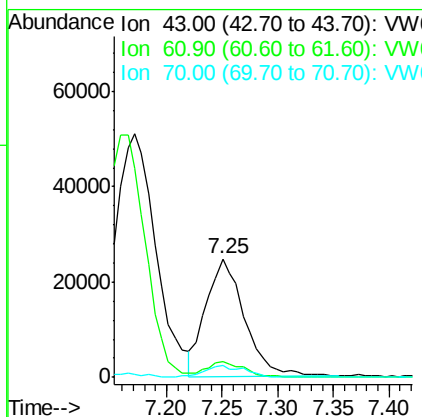
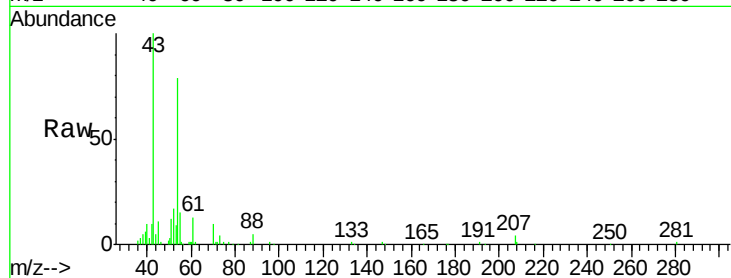
#37
Ethyl Acetate
Concen: 22.538 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.1	15.1
70	10.5	7.8	11.6

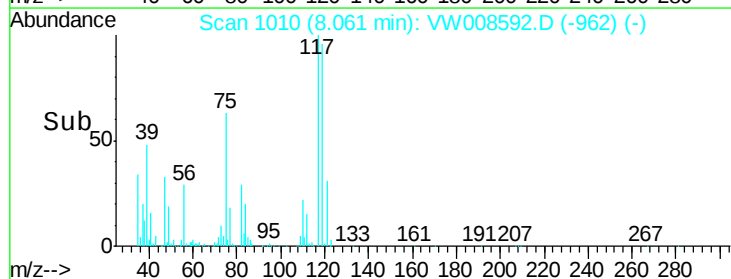
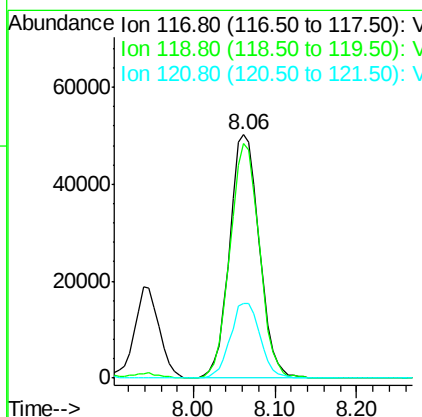
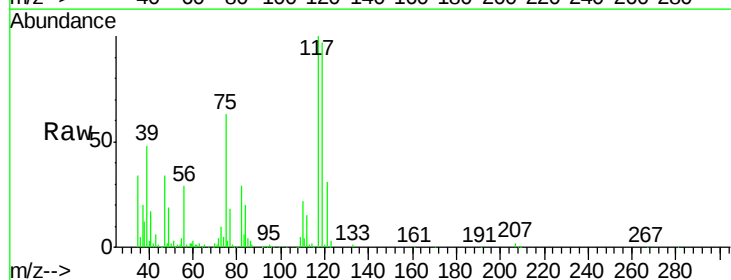
Manual Integrations
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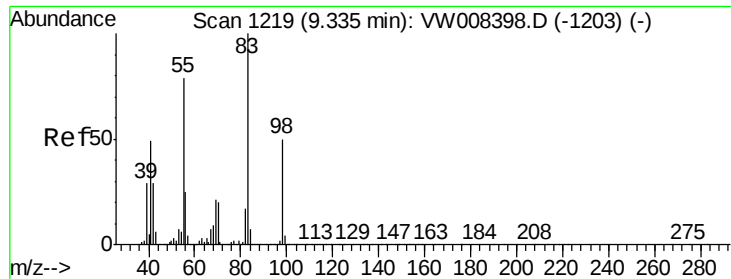
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.068 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.0	112.4
121	30.7	24.9	37.3





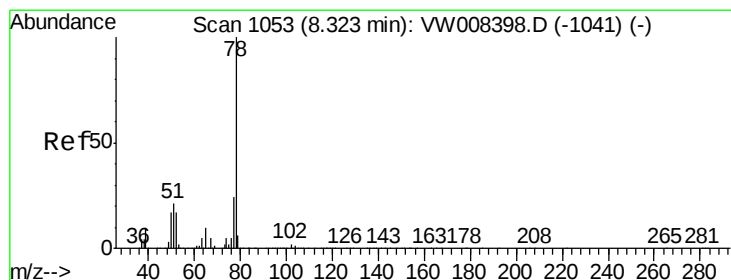
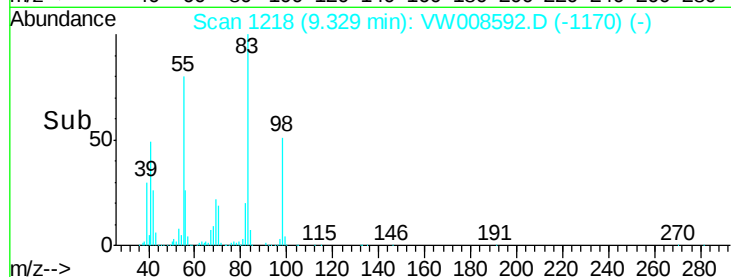
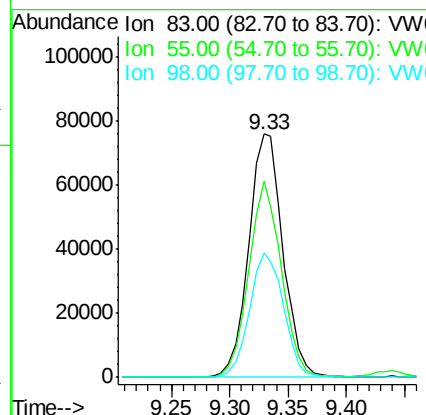
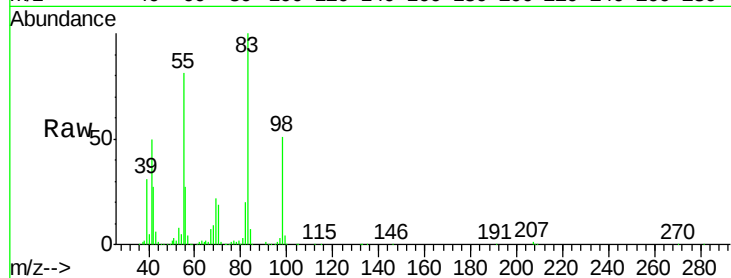
#39
Methvlcvclohexane
Concen: 19.920 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	155660		
55	80.6	63.3	94.9	
98	51.4	39.7	59.5	

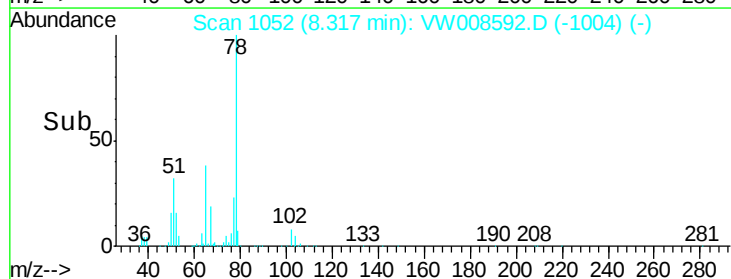
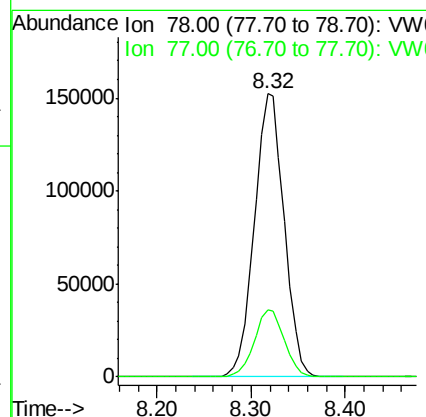
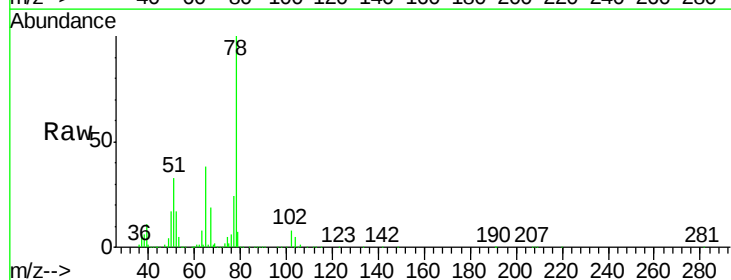
Manual Integrations
APPROVED

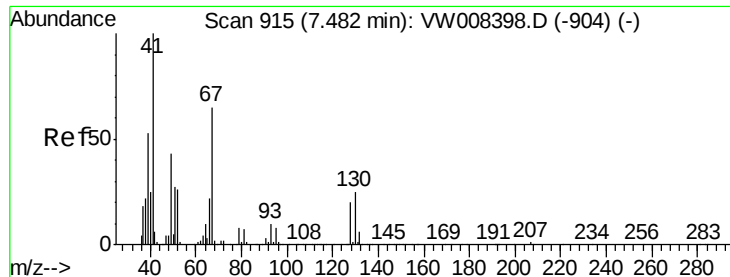
MMDadoda
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#40
Benzene
Concen: 20.434 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	337281		
77	23.6	19.0	28.6	





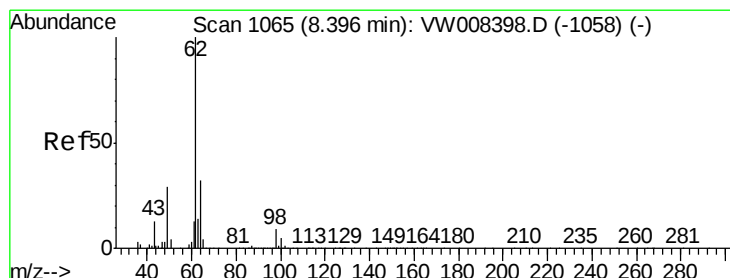
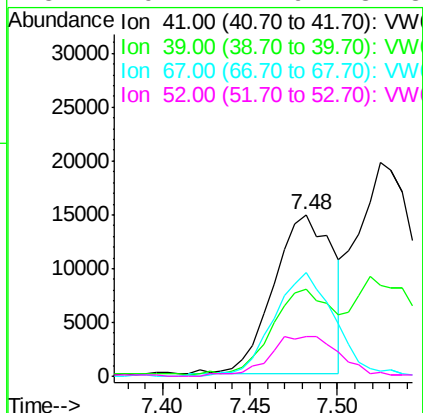
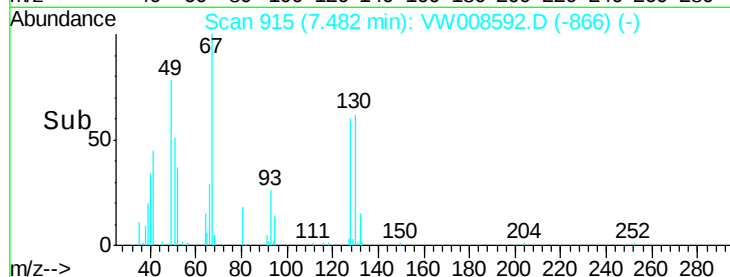
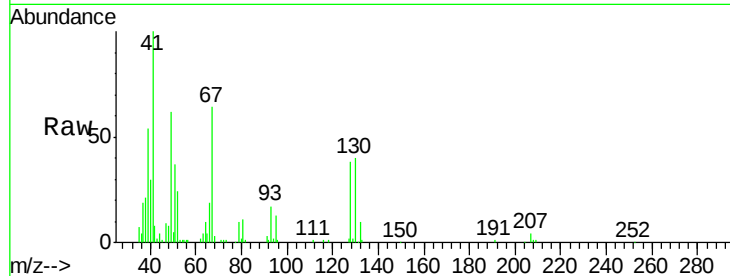
#41
Methacrylonitrile
Concen: 22.512 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35081		
39	54.1	43.4	65.0		
67	67.2	54.2	81.2		
52	29.7	22.9	34.3		

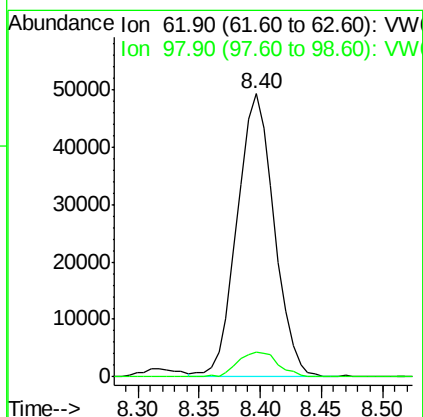
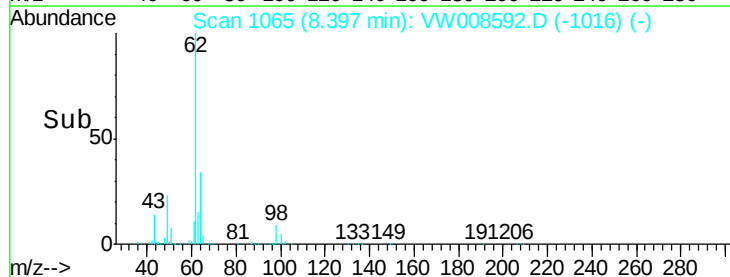
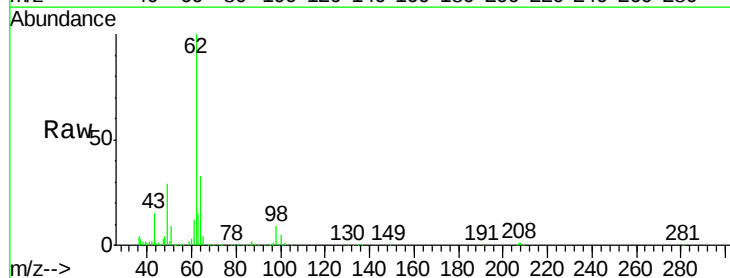
Manual Integrations
APPROVED

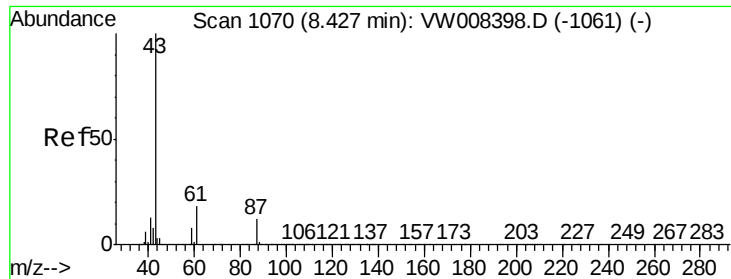
MMDadoda
2/12/2019 1:51:16 PM



#42
1,2-Dichloroethane
Concen: 21.615 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		103395		
98	9.6	0.0	18.6		





#43

Isopropyl Acetate

Concen: 20.993 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

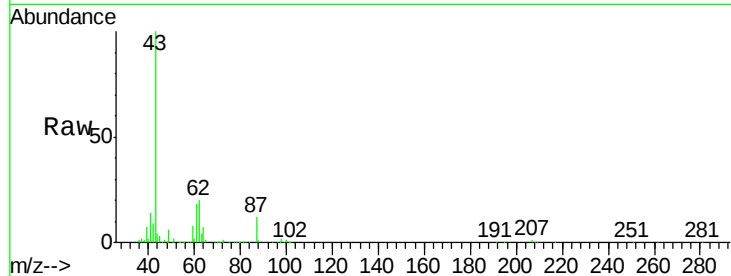
ClientSampleId :

VW0211SBSD01

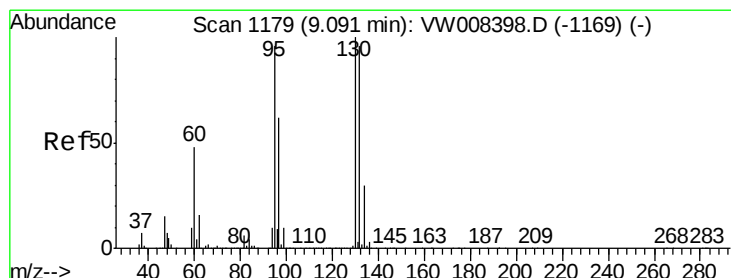
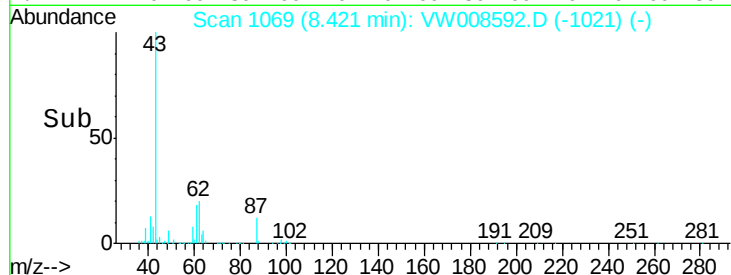
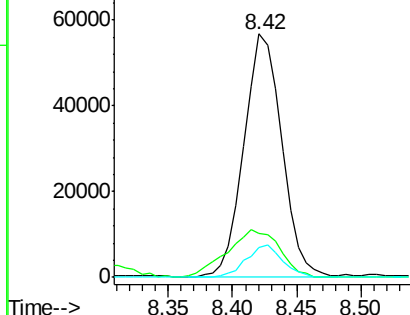
Tot Ion:	43	Resp:	114779
Ion Ratio	Lower	Upper	
43	100		
61	27.9	22.0	33.0
87	12.9	9.3	13.9

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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.865 ug/l

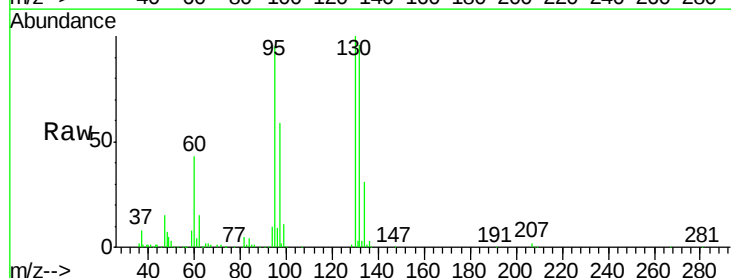
RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

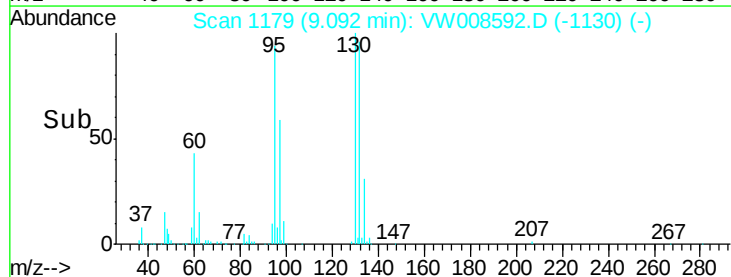
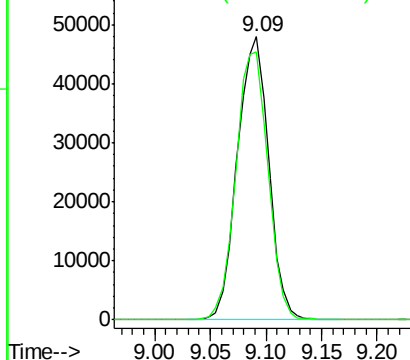
Lab File: VW008592.D

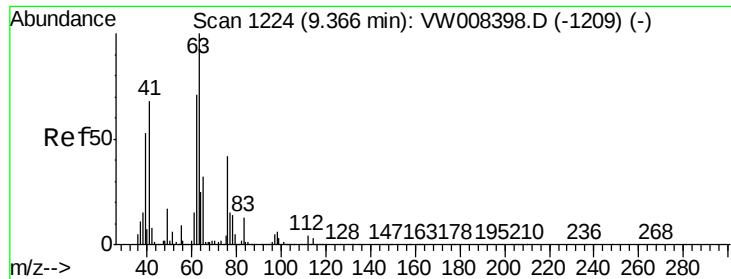
Acq: 11 Feb 2019 12:55

Tgt Ion:	130	Resp:	93655
Ion Ratio	Lower	Upper	
130	100		
95	94.5	0.0	191.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.535 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 63 Resp: 84515

Ion Ratio Lower Upper

63 100

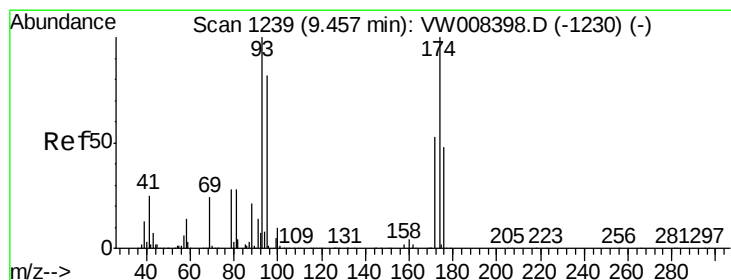
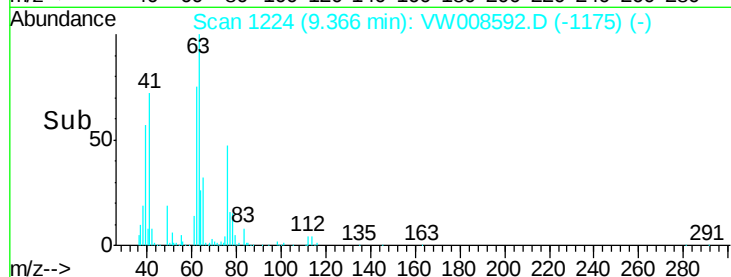
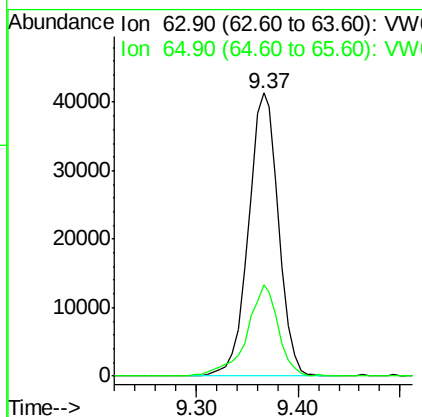
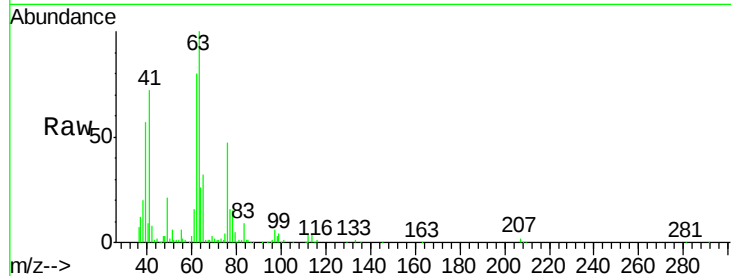
65 32.3 25.2 37.8

Manual Integrations

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2/12/2019 1:51:16 PM



#46

Dibromomethane

Concen: 21.628 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

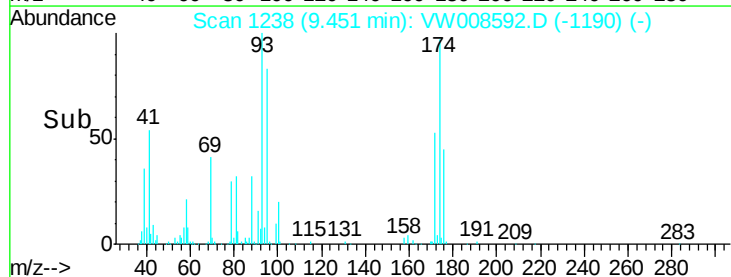
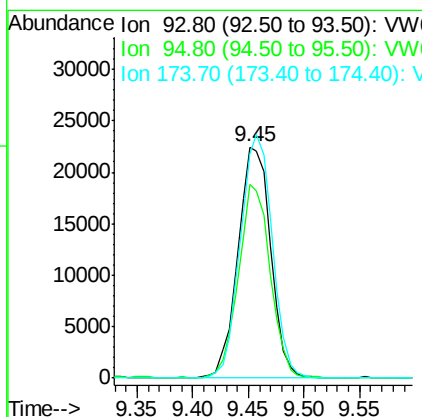
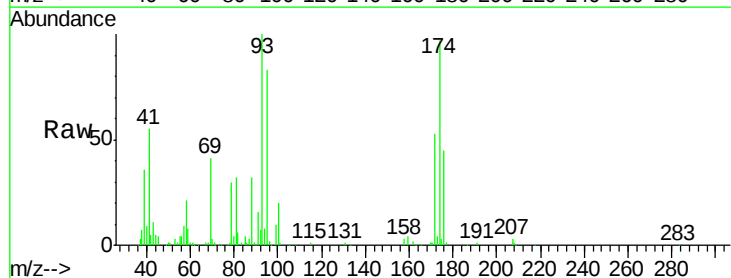
Tgt Ion: 93 Resp: 45783

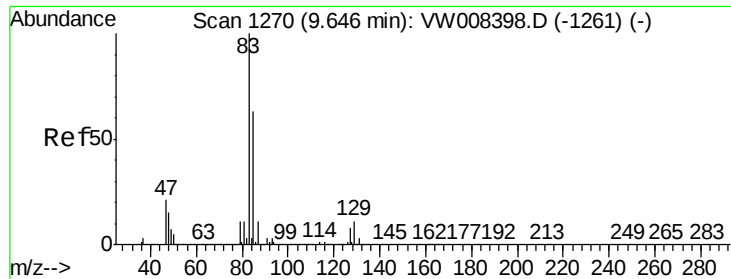
Ion Ratio Lower Upper

93 100

95 81.4 65.9 98.9

174 103.1 81.0 121.6





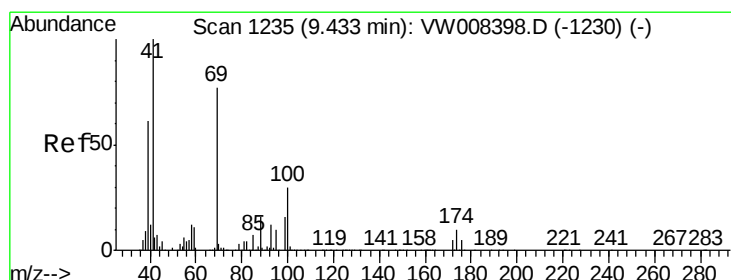
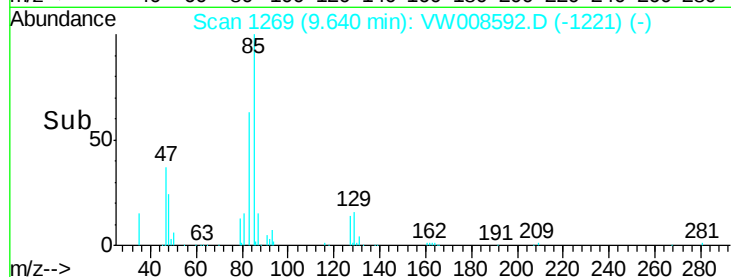
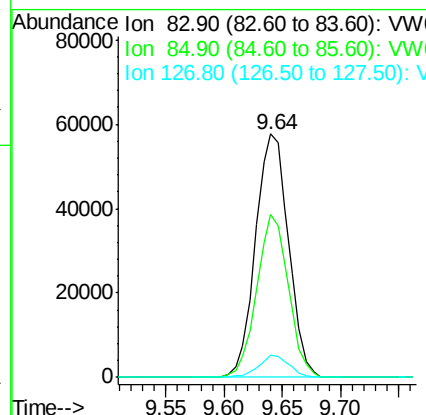
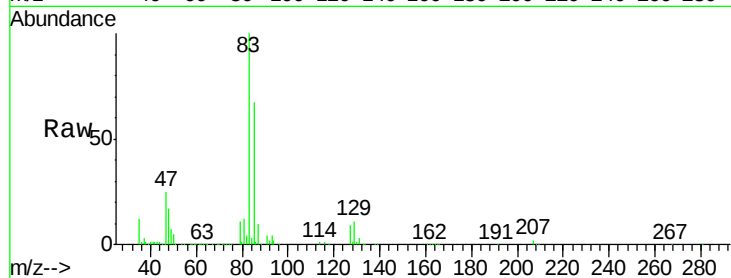
#47
Bromodichloromethane
Concen: 20.382 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	83	Resp	114120
Ion Ratio	Lower	Upper	
83	100		
85	66.7	50.8	76.2
127	9.2	6.8	10.2

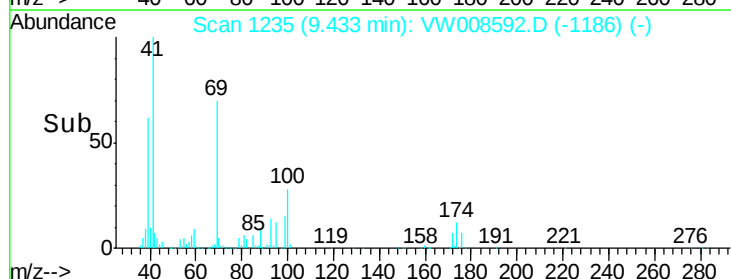
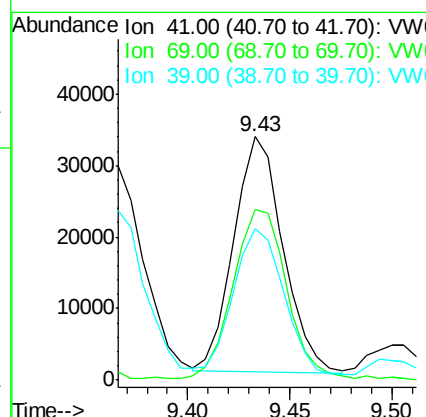
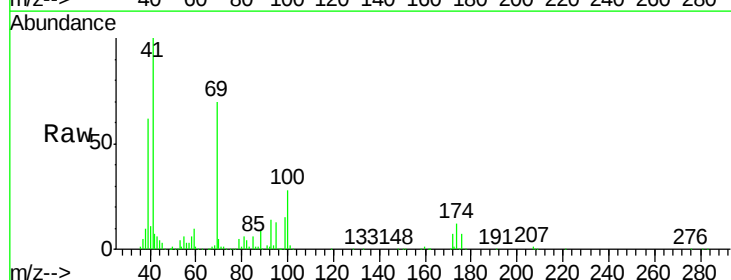
Manual Integrations
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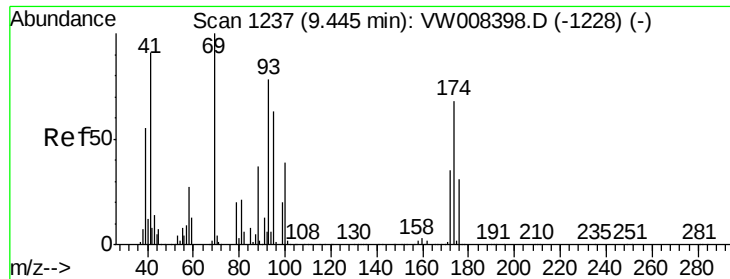
MMDadoda
2/12/2019 1:51:16 PM



#48
Methyl methacrylate
Concen: 20.605 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	41	Resp	55086
Ion Ratio	Lower	Upper	
41	100		
69	80.2	64.8	97.2
39	63.3	49.1	73.7





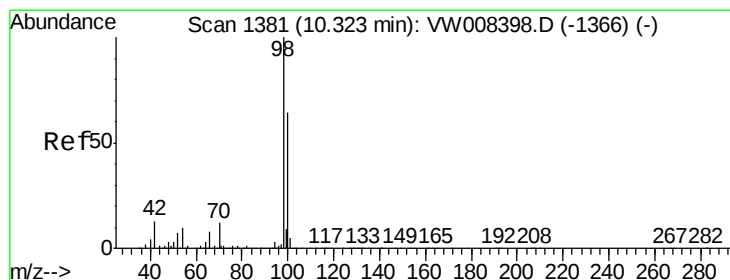
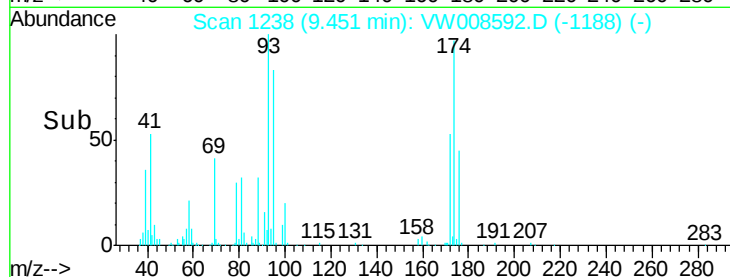
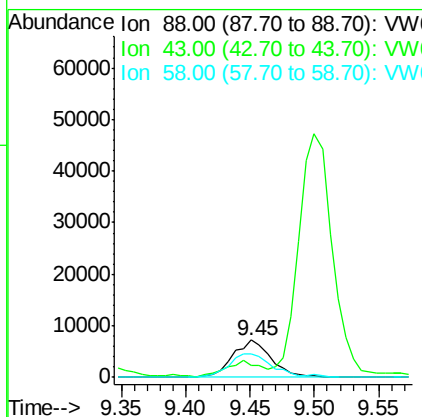
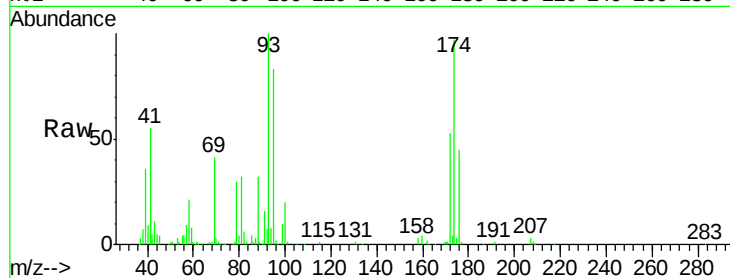
#49
1,4-Dioxane
Concen: 414.470 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	36.2	29.0	43.4	
58	70.3	56.4	84.6	

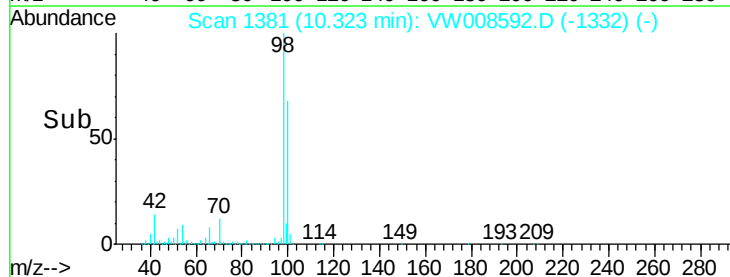
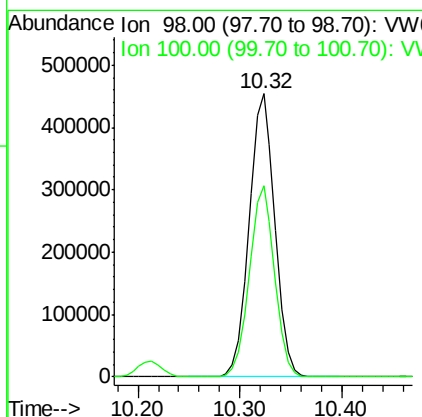
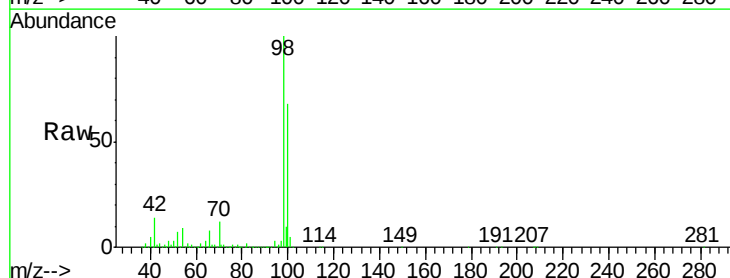
Manual Integrations
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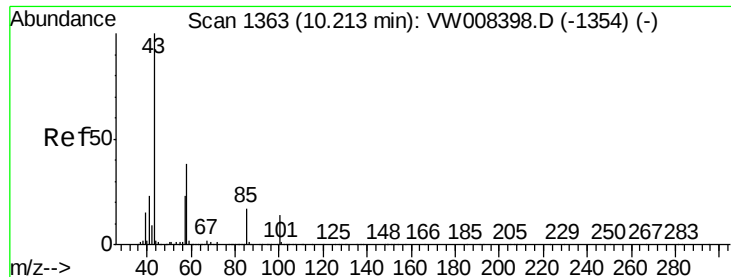
MMDadoda
2/12/2019 1:51:16 PM



#50
Toluene-d8
Concen: 53.798 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.3	52.6	78.8	





#51

4-Methyl-2-Pentanone

Concen: 109.585 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 43 Resp: 296003

Ion Ratio Lower Upper

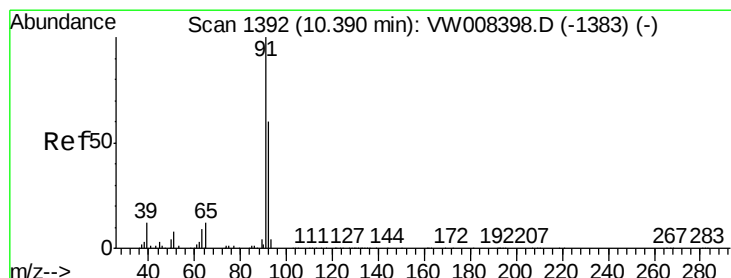
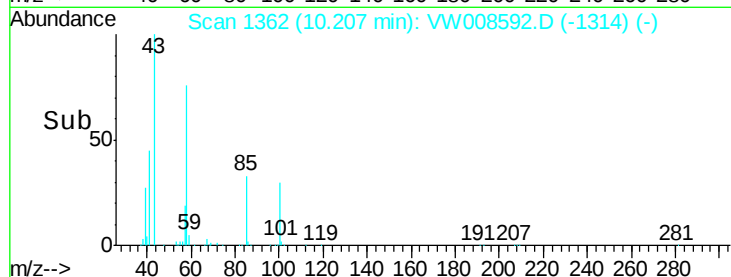
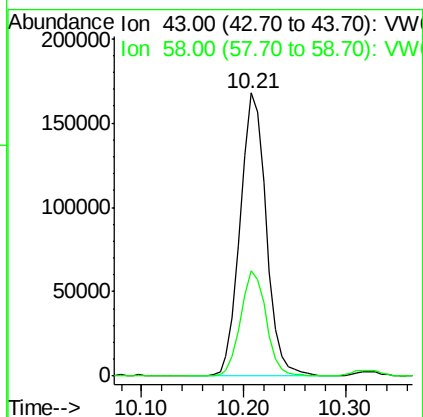
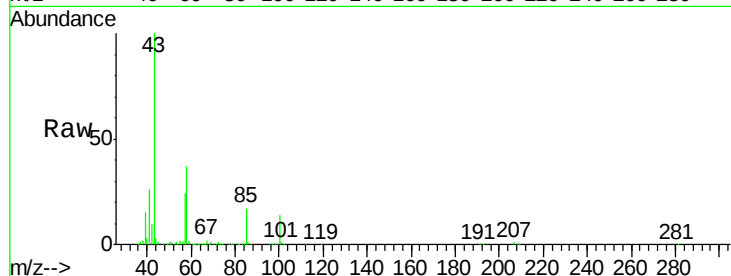
43 100

58 36.8 29.7 44.5

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2/12/2019 1:51:16 PM



#52

Toluene

Concen: 20.147 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008592.D

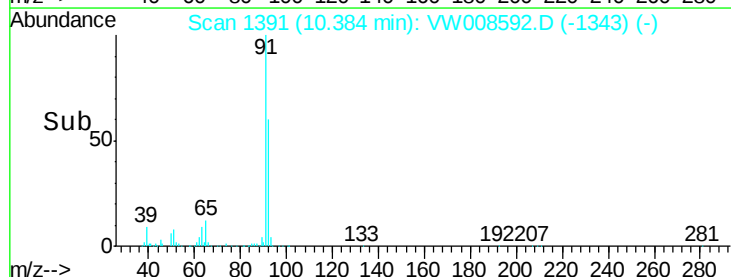
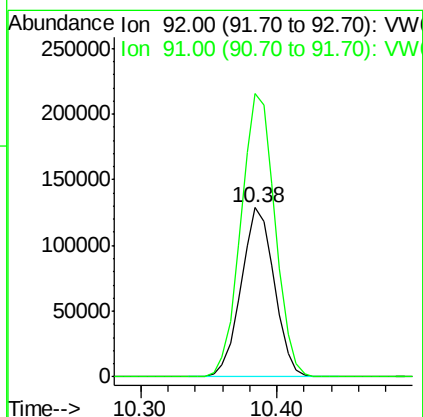
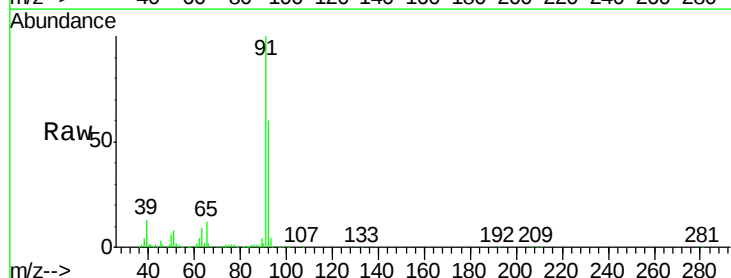
Acq: 11 Feb 2019 12:55

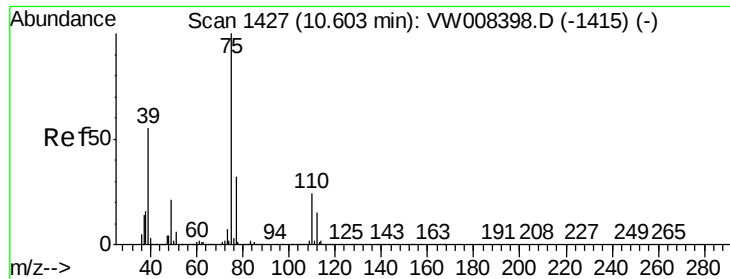
Tgt Ion: 92 Resp: 219520

Ion Ratio Lower Upper

92 100

91 171.6 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 20.086 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 75 Resp: 119669

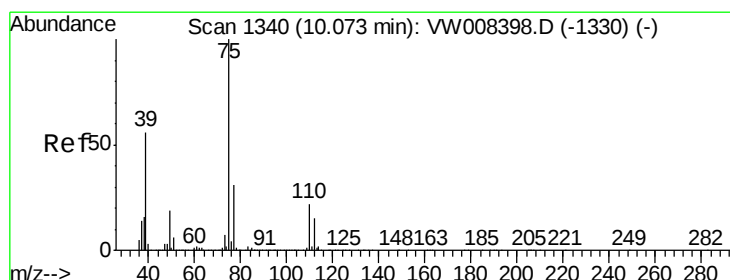
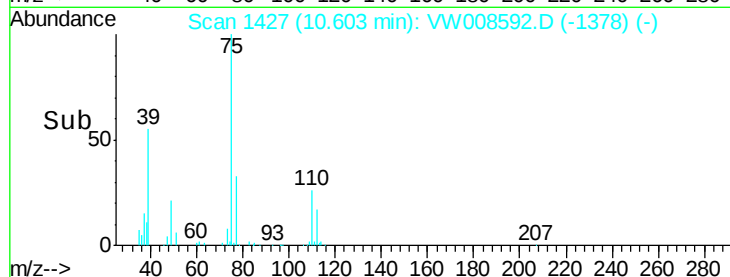
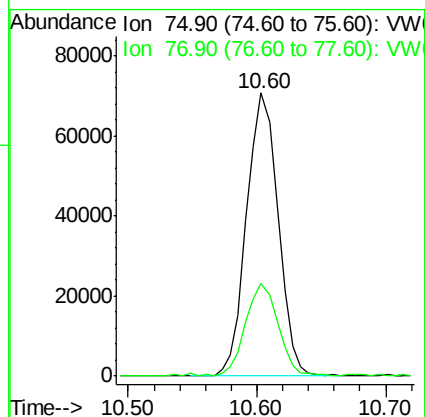
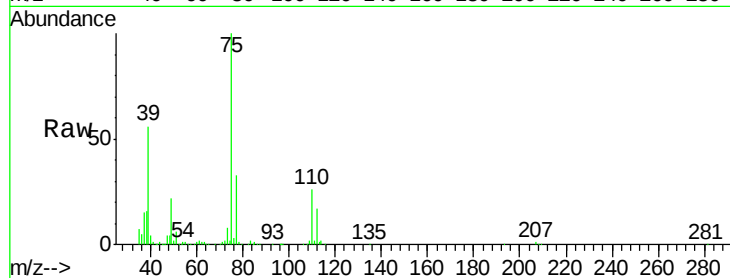
Ion Ratio Lower Upper

75 100

77 32.6 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 20.404 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

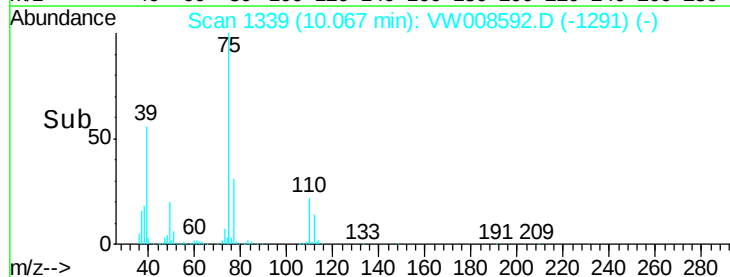
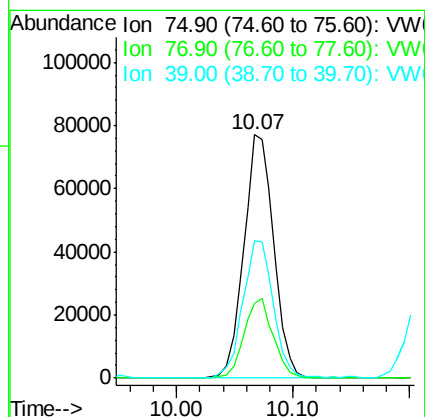
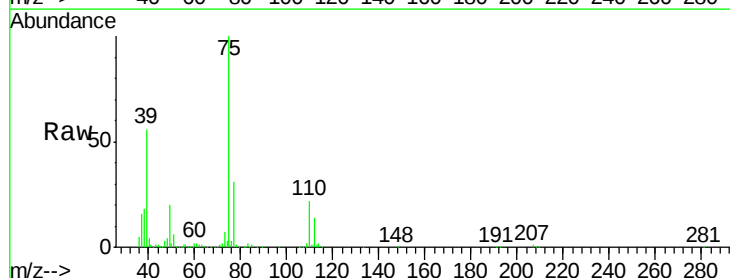
Tgt Ion: 75 Resp: 137957

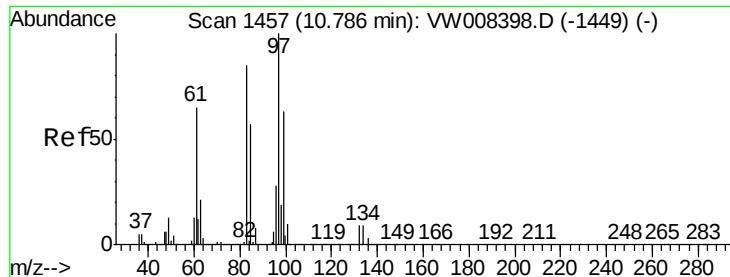
Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4

39 56.1 44.9 67.3





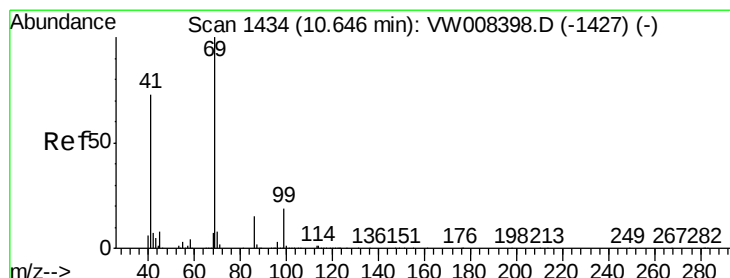
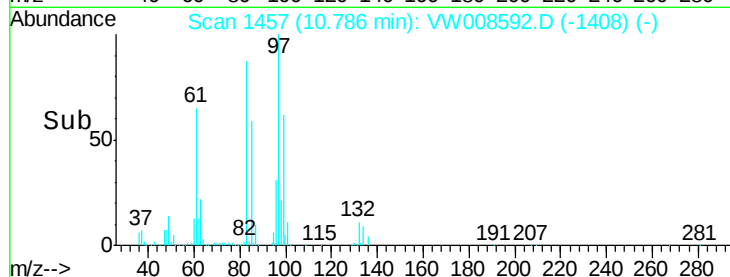
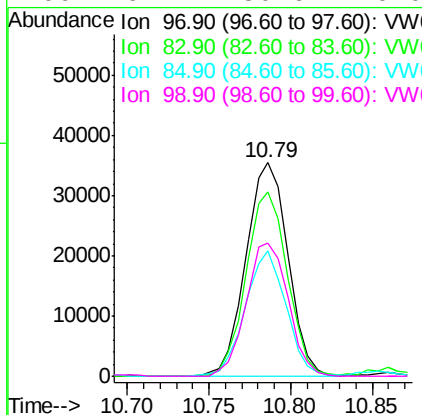
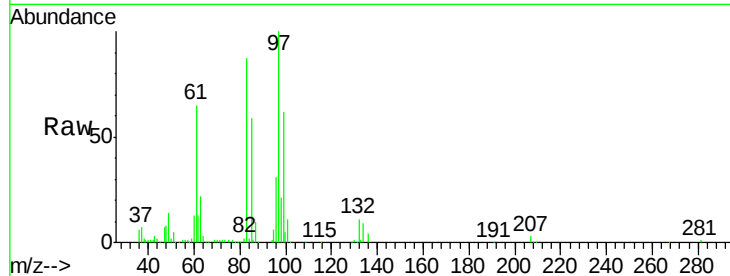
#55
 1,1,2-Trichloroethane
 Concen: 21.716 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		63762		
83	86.6	68.4	102.6		
85	59.0	45.3	67.9		
99	62.1	50.6	76.0		

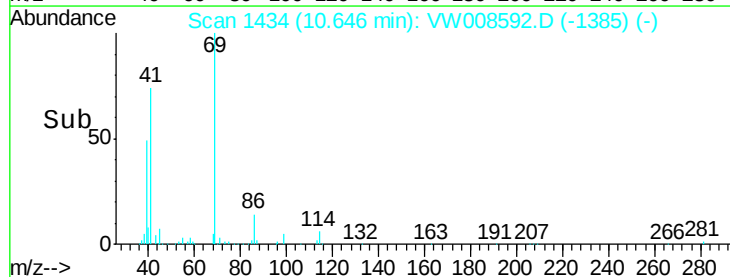
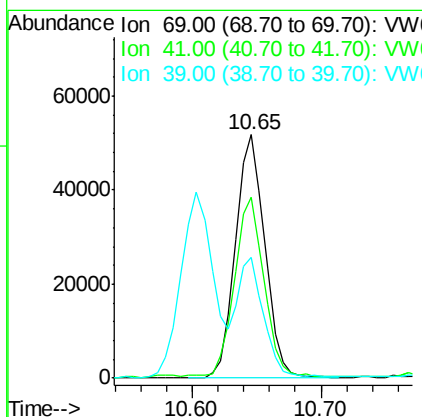
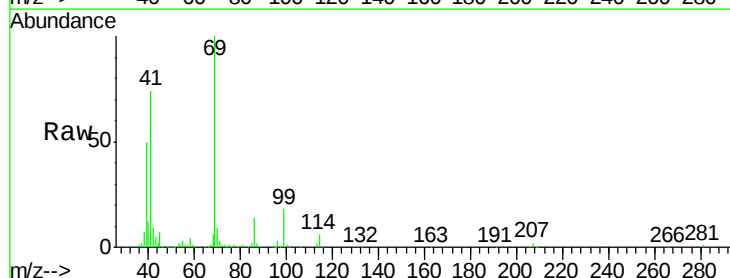
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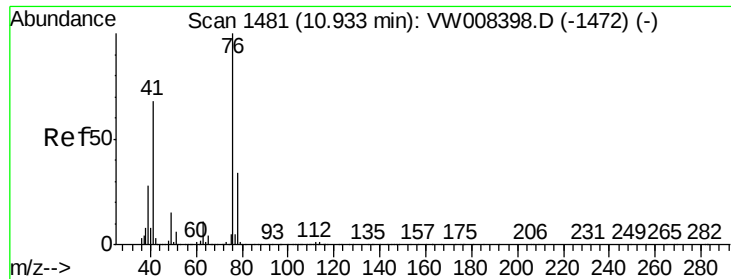
MMDadoda
 2/12/2019 1:51:16 PM



#56
 Ethyl methacrylate
 Concen: 19.991 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		82245		
41	73.3	58.7	88.1		
39	43.6	32.6	48.8		





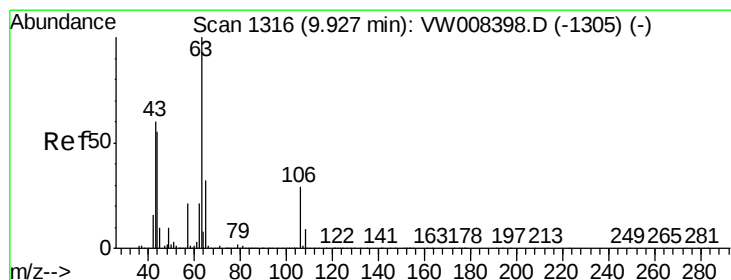
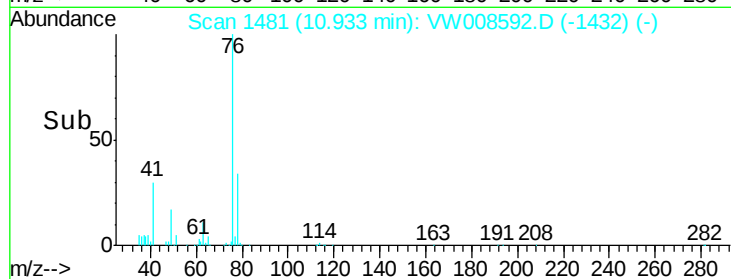
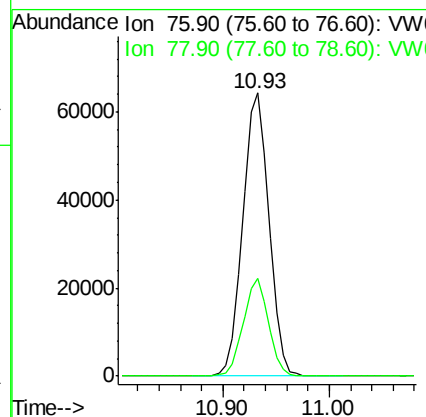
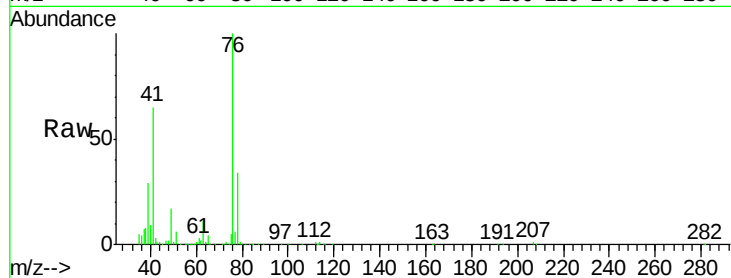
#57
 1,3-Dichloropropane
 Concen: 21.174 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

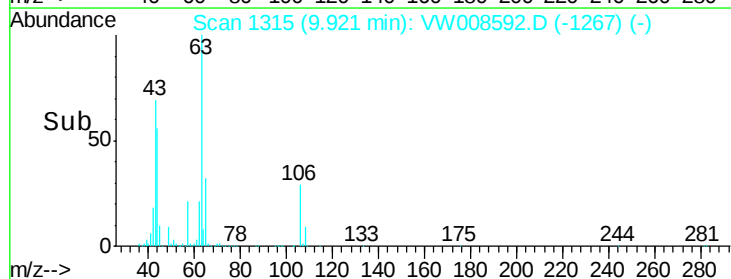
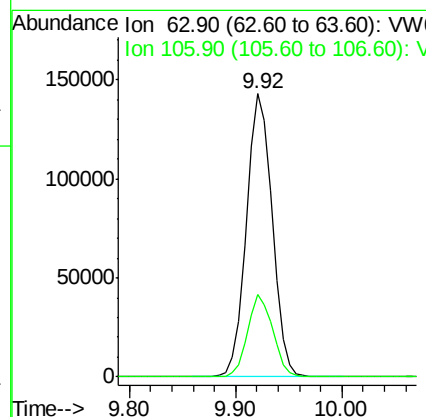
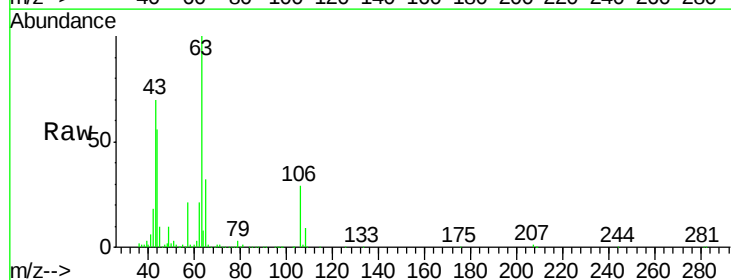
Manual Integrations
 APPROVED

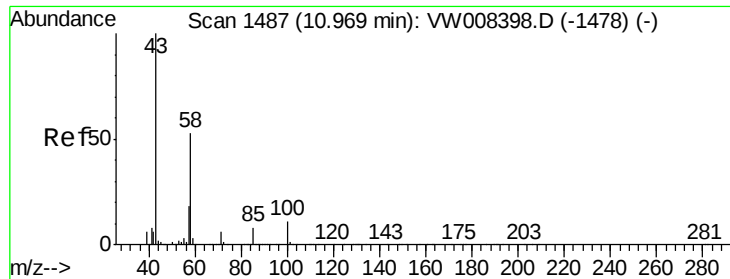
MMDadoda
 2/12/2019 1:51:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.038 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.4	33.6





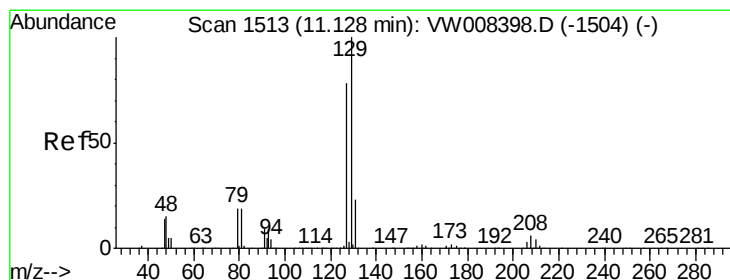
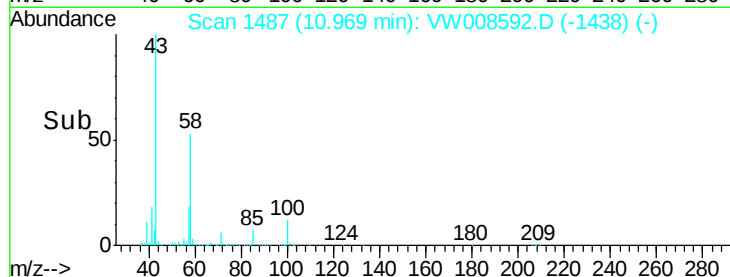
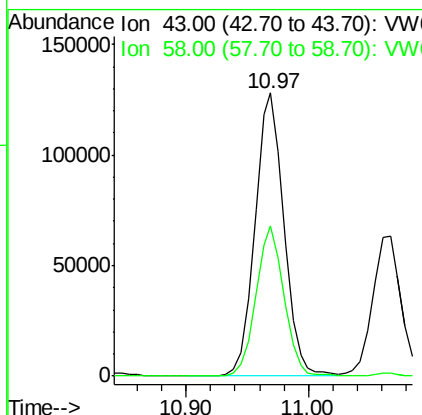
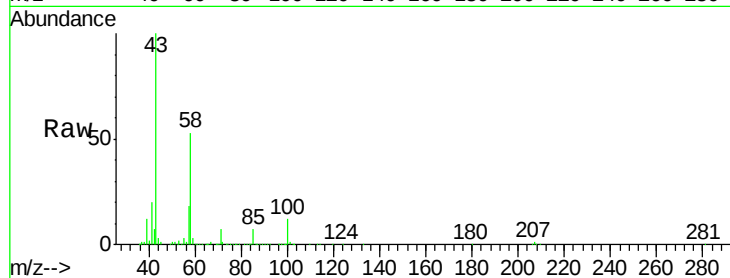
#59
2-Hexanone
Concen: 110.318 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.7

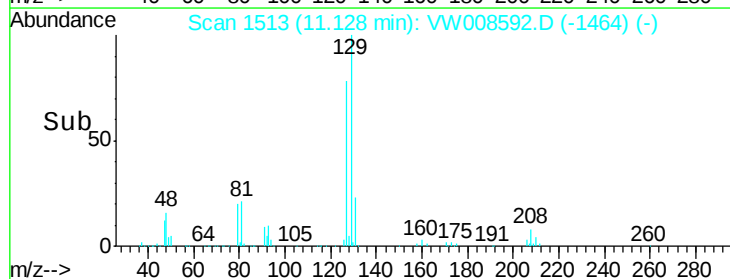
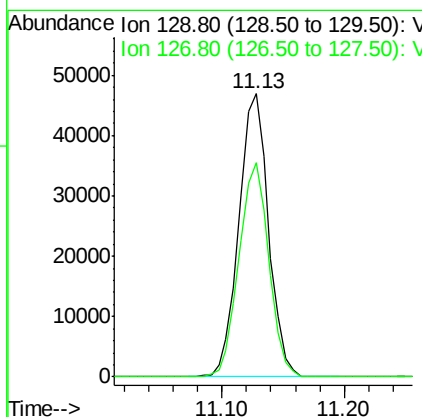
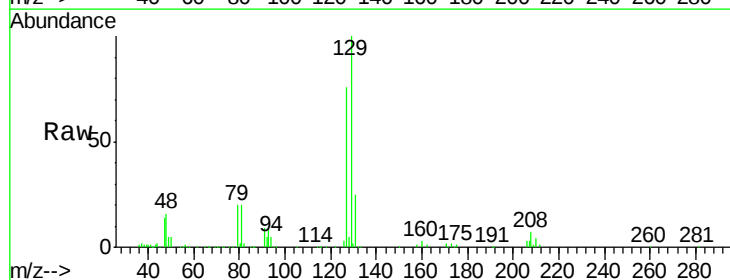
Manual Integrations
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#60
Dibromochloromethane
Concen: 20.871 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.1	117.2





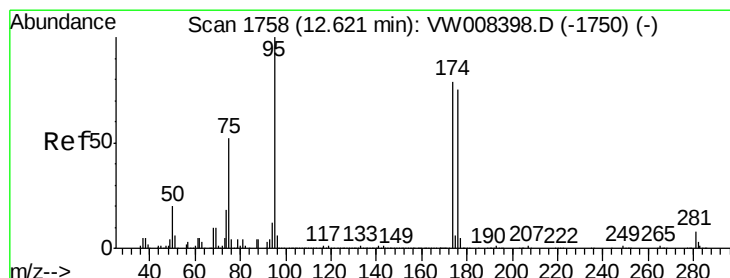
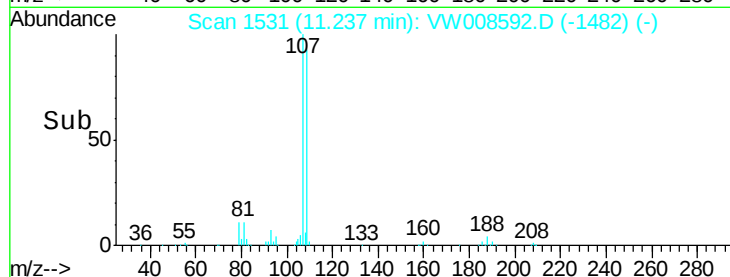
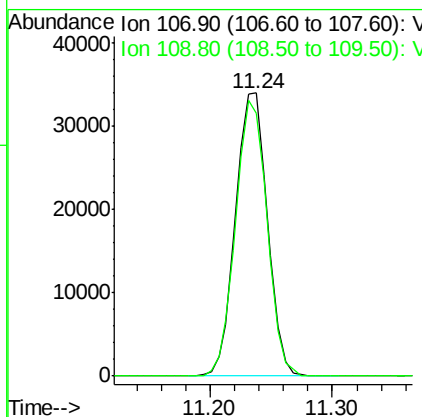
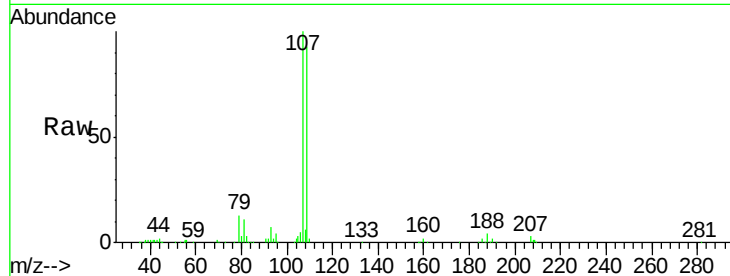
#61
 1,2-Dibromoethane
 Concen: 21.141 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.0	112.4

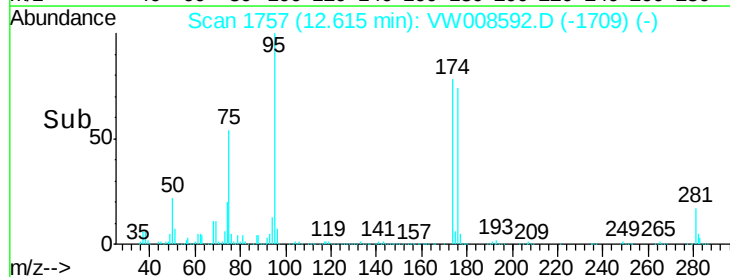
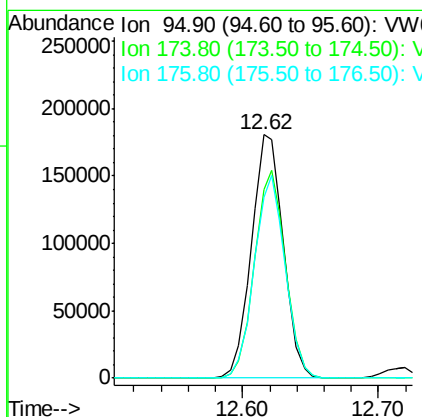
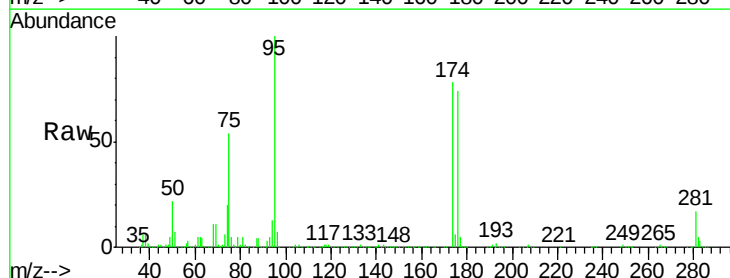
Manual Integrations
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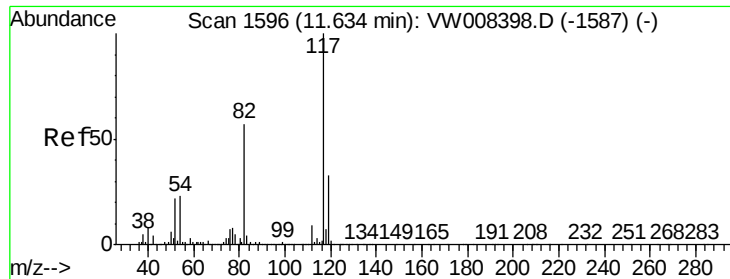
MMDadoda
 2/12/2019 1:51:16 PM



#62
 4-Bromofluorobenzene
 Concen: 52.170 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008592.D
 Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	157.6
176	80.8	0.0	151.8





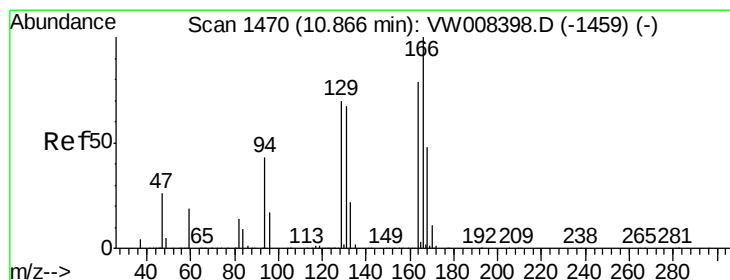
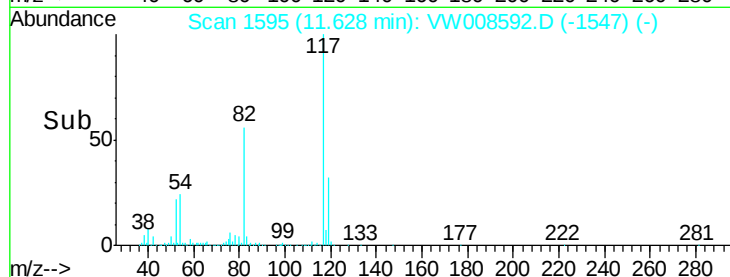
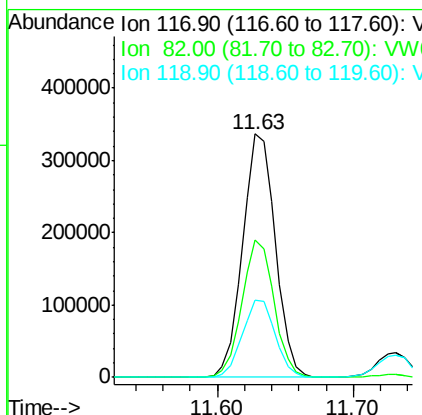
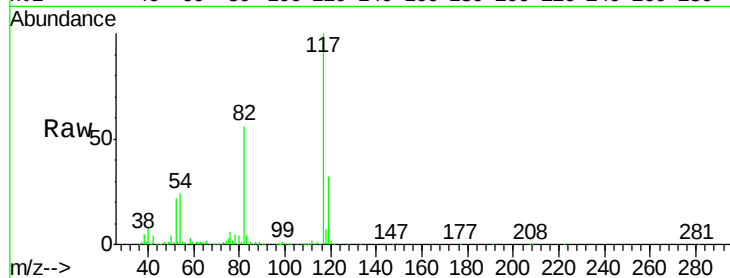
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	56.3	45.4	68.0
119	31.7	26.2	39.4

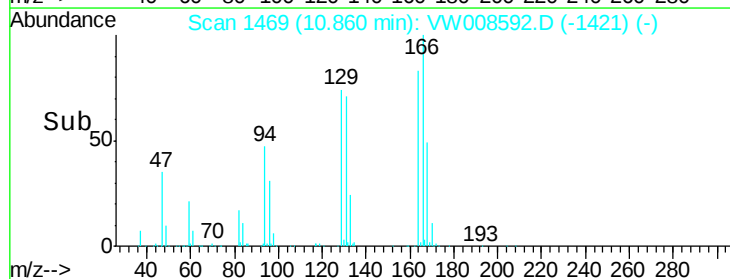
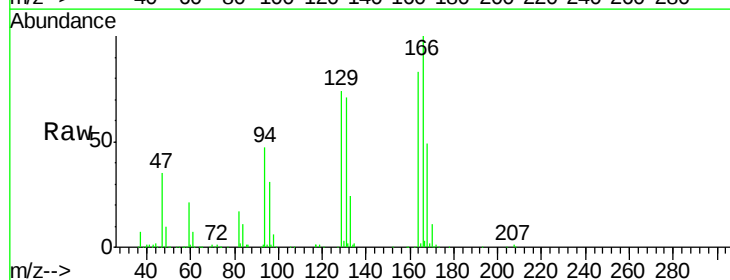
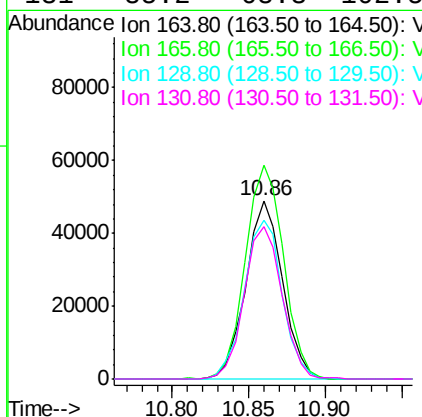
Manual Integrations
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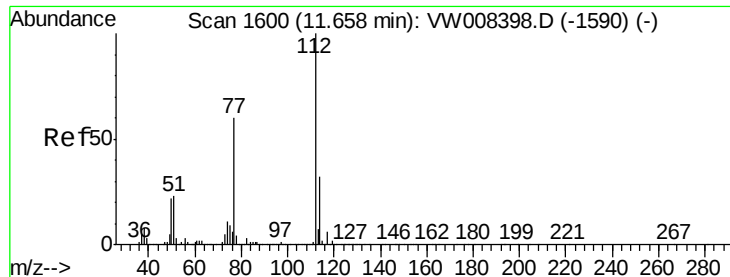
MMDadoda
2/12/2019 1:51:16 PM



#64
Tetrachloroethene
Concen: 21.342 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	120.0	101.4	152.0
129	89.2	71.0	106.6
131	85.2	68.3	102.5





#65

Chlorobenzene

Concen: 20.801 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion:112 Resp: 240487

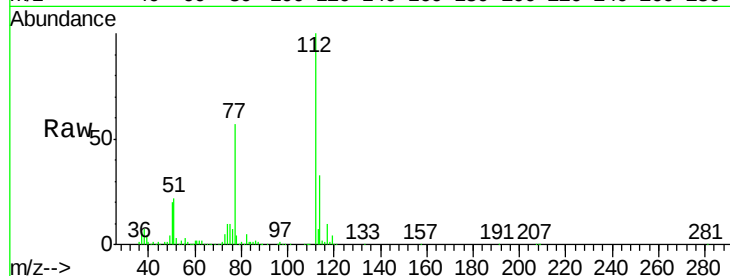
Ion Ratio Lower Upper

112 100

114 33.1 25.4 38.2

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

Ion 113.90 (113.60 to 114.60): V

11.66

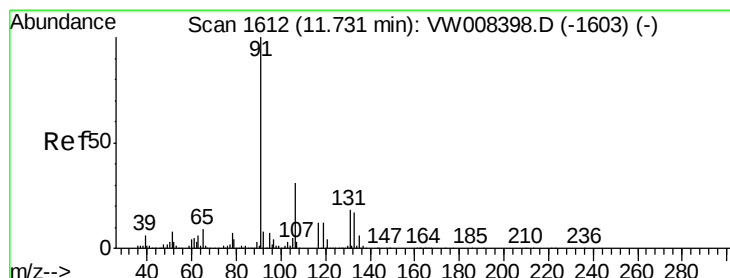
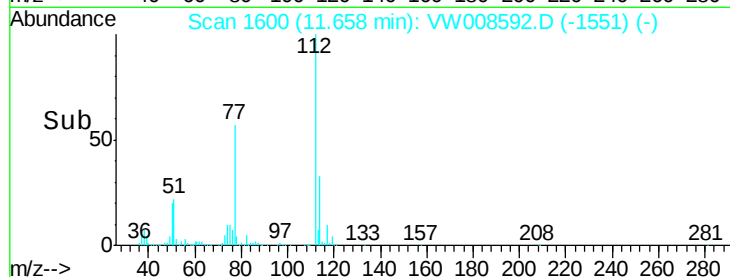
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.403 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

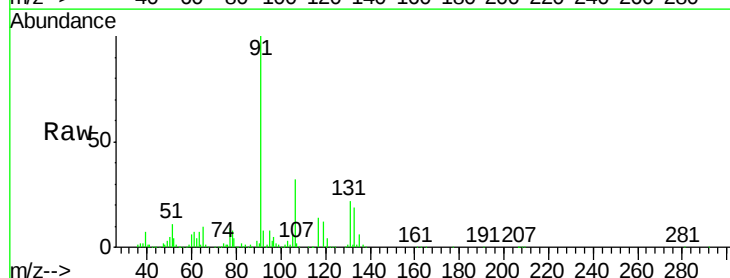
Tgt Ion:131 Resp: 88531

Ion Ratio Lower Upper

131 100

133 93.4 47.0 141.2

119 62.0 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

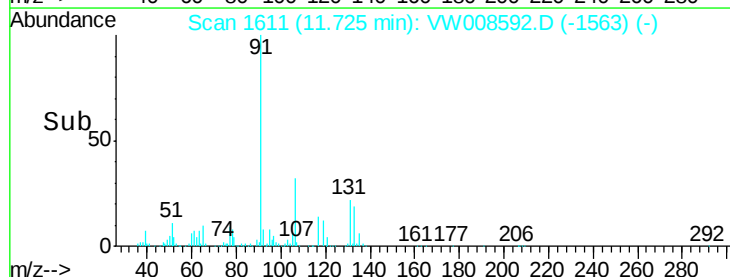
11.73

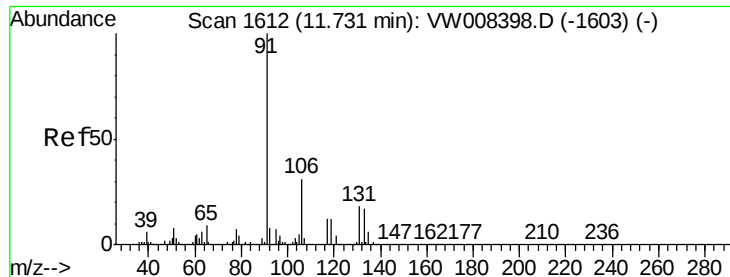
100000

50000

0

Time-->





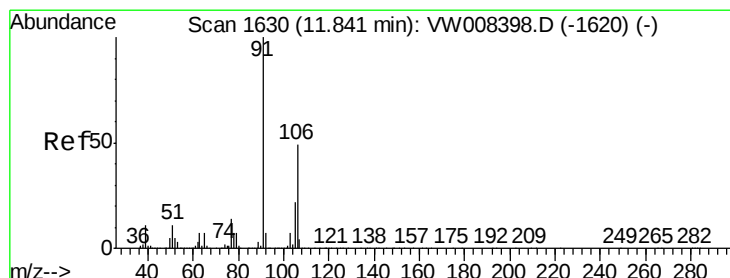
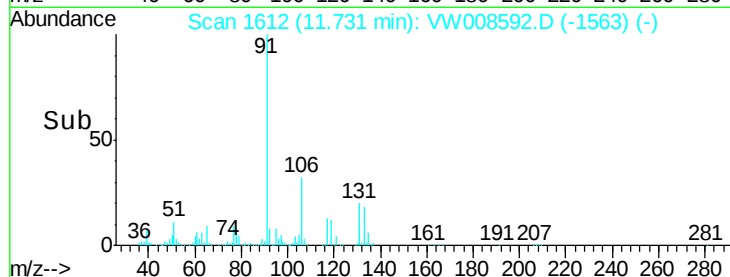
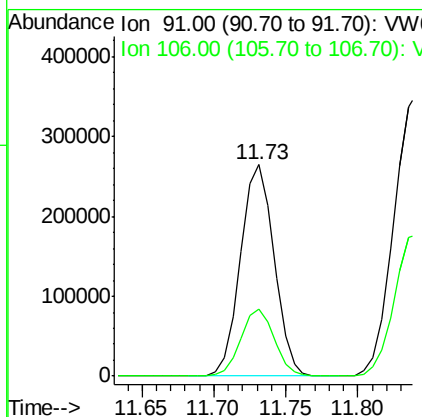
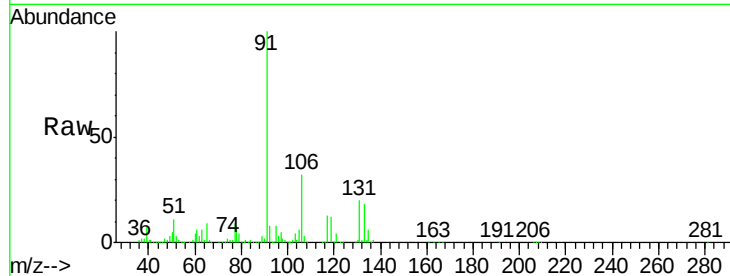
#67
Ethyl Benzene
Concen: 20.187 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion: 91 Resp: 429015
Ion Ratio Lower Upper
91 100
106 31.6 24.7 37.1

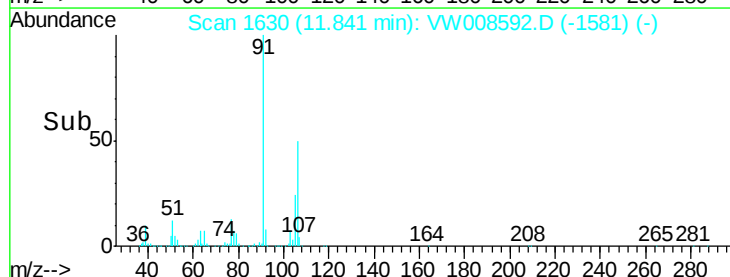
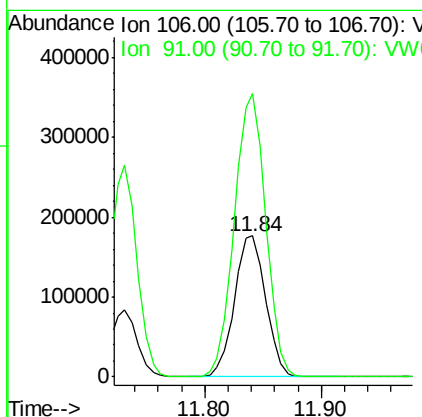
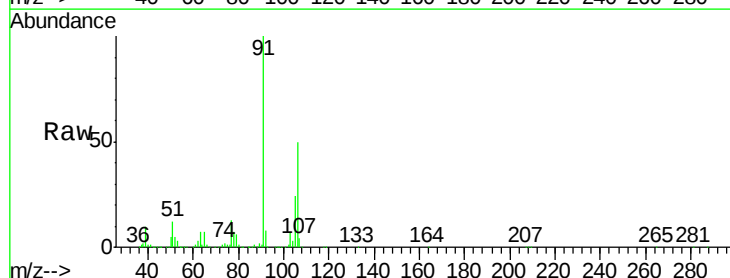
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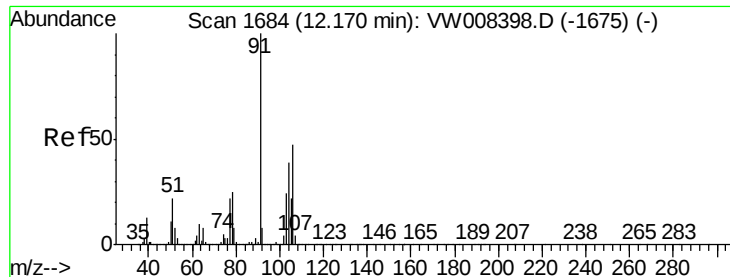
MMDadoda
2/12/2019 1:51:16 PM



#68
m/p-Xylenes
Concen: 40.010 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion: 106 Resp: 329909
Ion Ratio Lower Upper
106 100
91 201.7 162.9 244.3





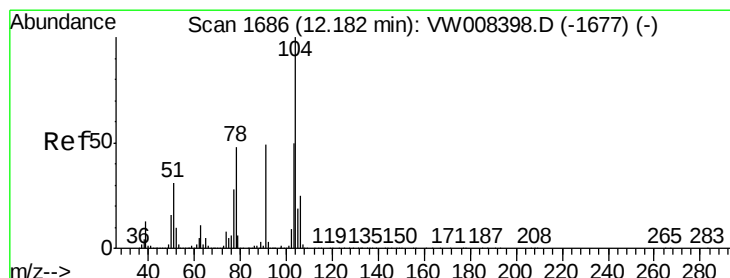
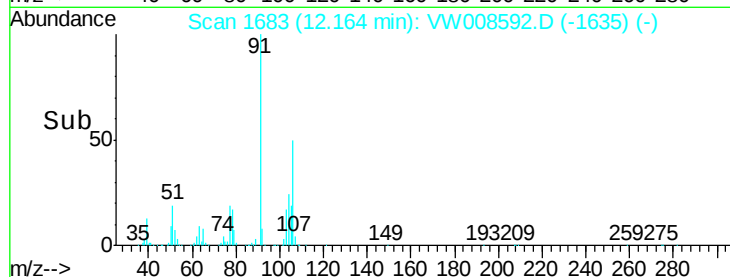
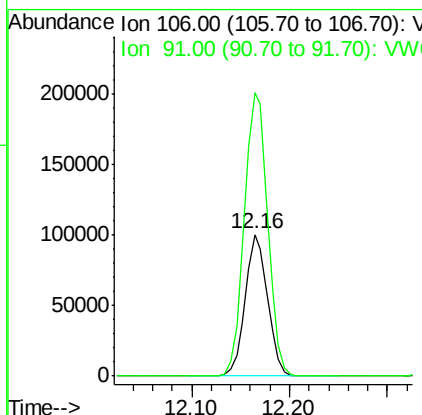
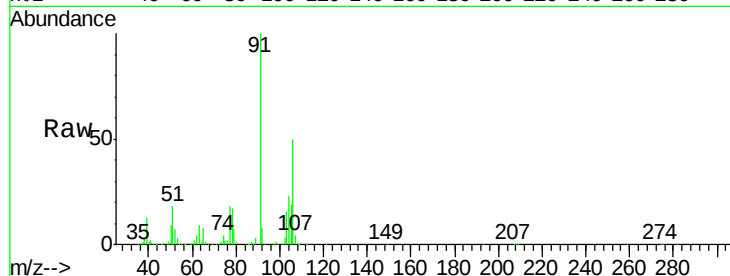
#69
o-Xylene
Concen: 20.179 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	158095		
91	210.1	107.5	322.4	

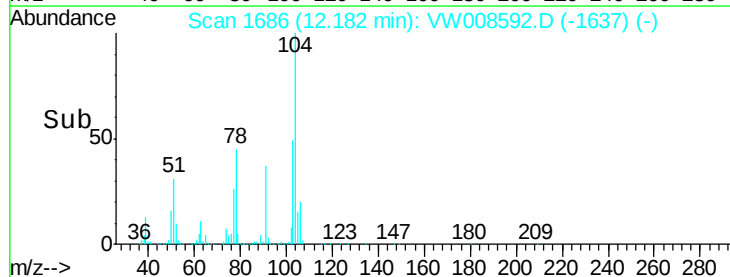
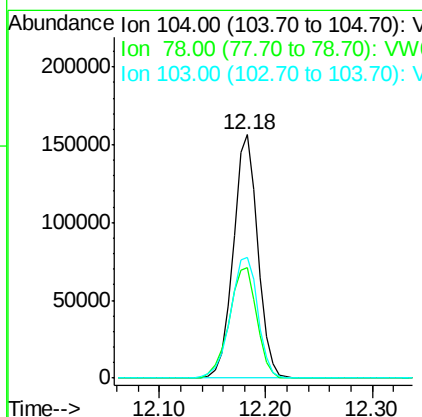
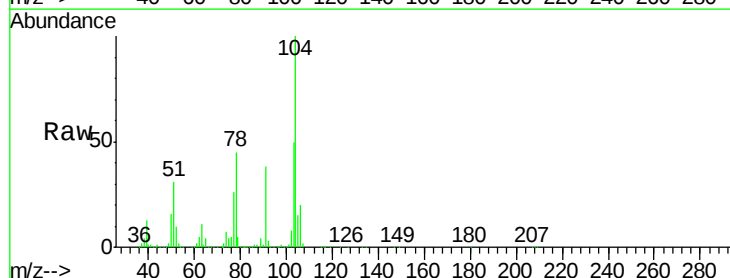
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#70
Styrene
Concen: 19.434 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	251499		
78	51.4	42.4	63.6	
103	55.8	43.4	65.0	





#71

Bromoform

Concen: 20.198 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampled :

VW0211SBSD01

Tot Ion:173 Resp: 47008

Ion Ratio Lower Upper

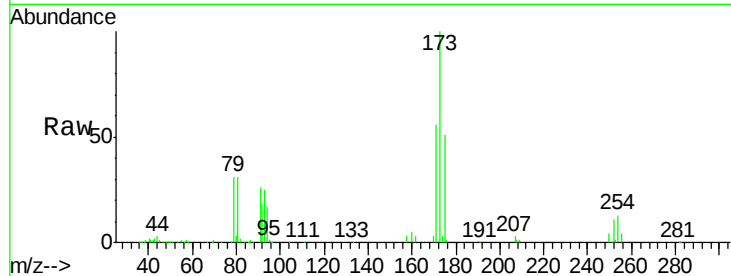
173 100

175 49.6 24.4 73.4

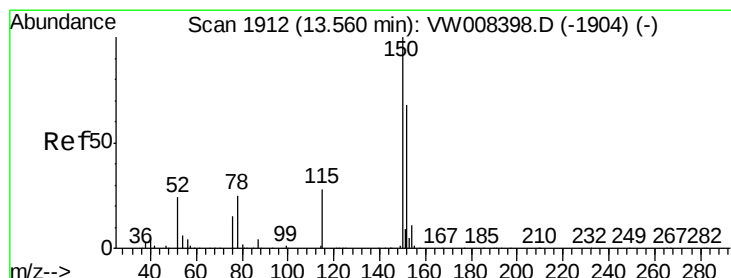
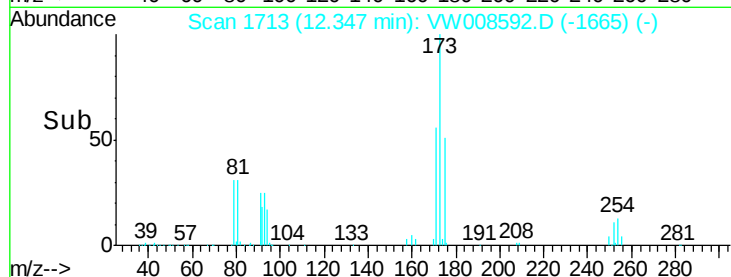
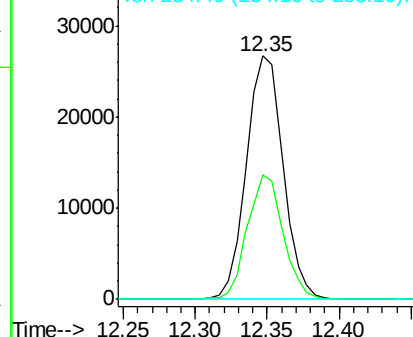
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

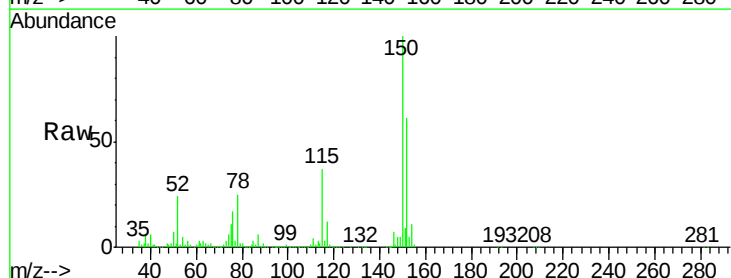
Tgt Ion:152 Resp: 292830

Ion Ratio Lower Upper

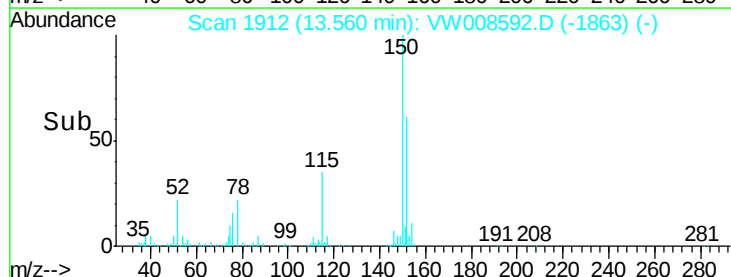
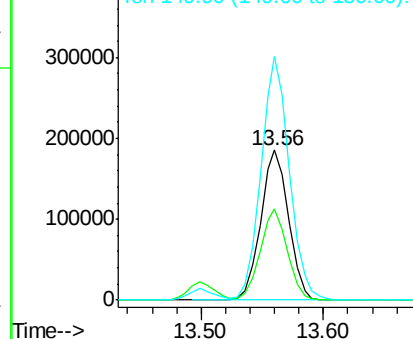
152 100

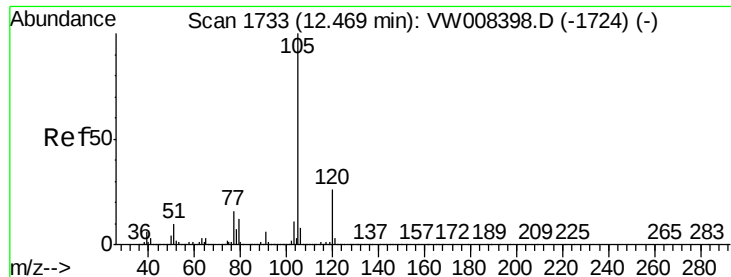
115 59.1 29.9 89.7

150 165.9 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.132 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 105 Resp: 439495

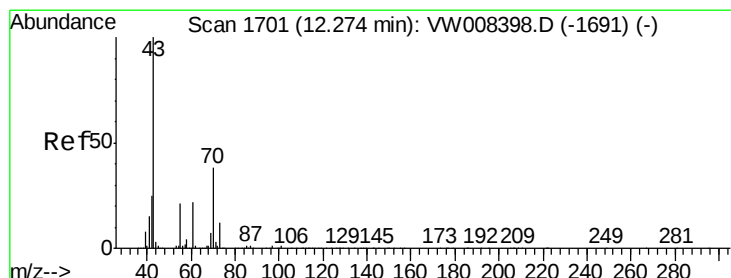
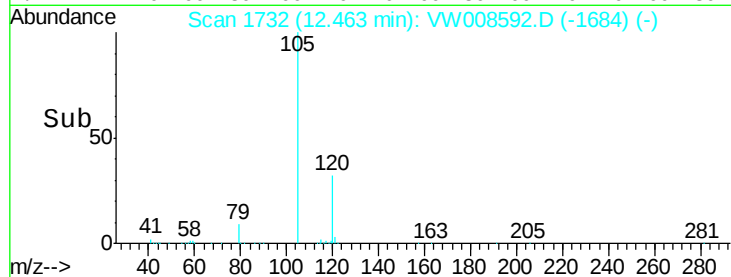
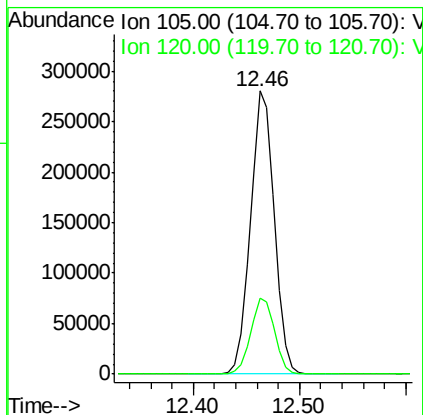
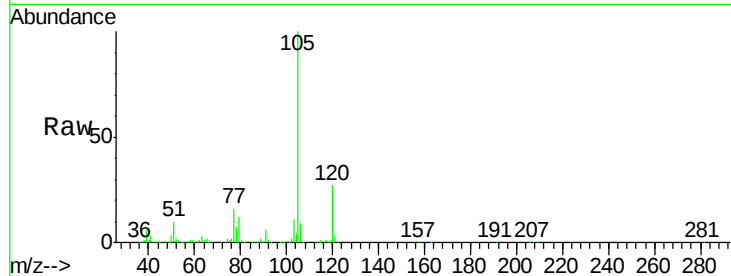
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8

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#74

N-ethyl acetate

Concen: 20.452 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion: 43 Resp: 115024

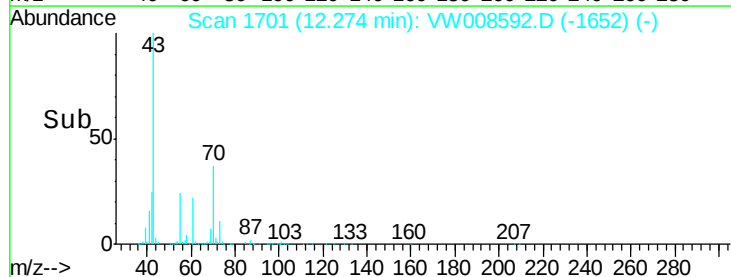
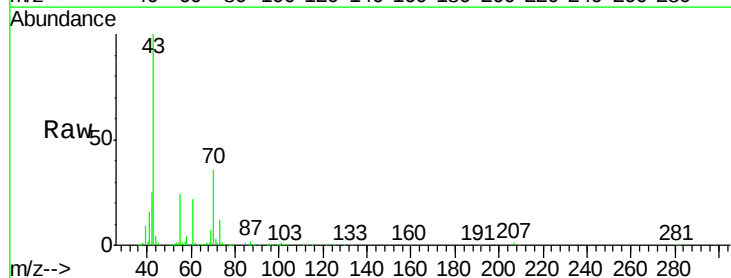
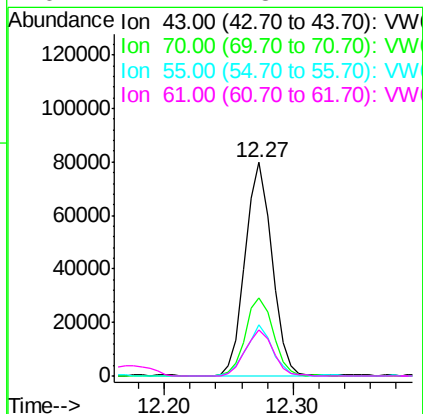
Ion Ratio Lower Upper

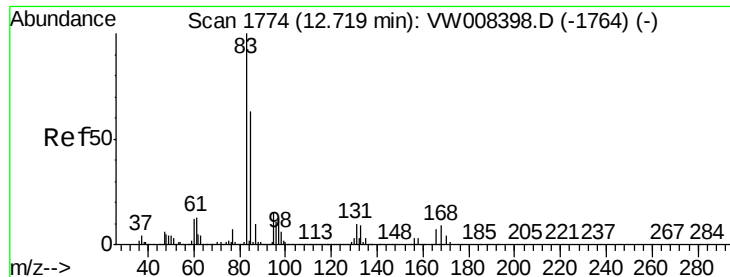
43 100

70 38.2 31.0 46.6

55 23.2 17.4 26.2

61 22.2 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.443 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

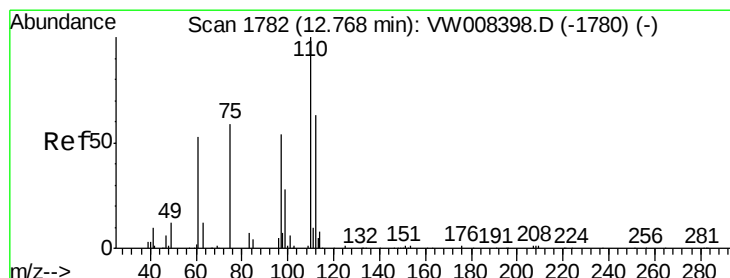
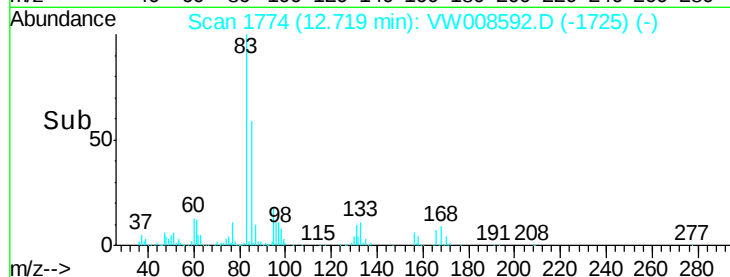
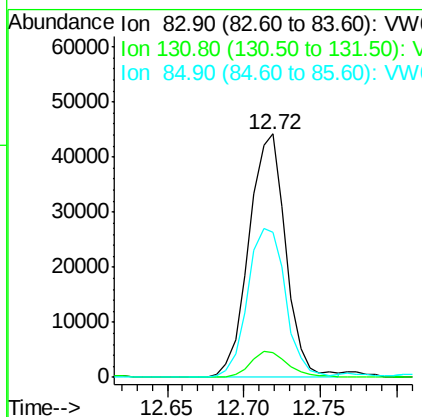
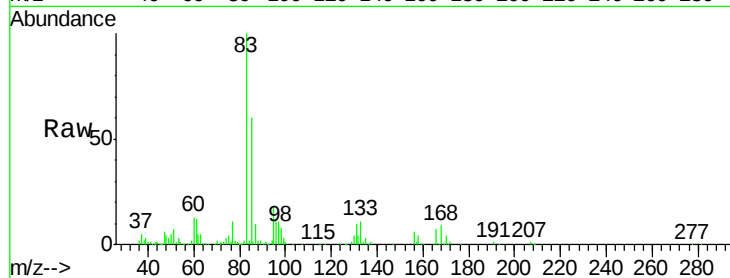
ClientSampleId :

VW0211SBSD01

Tot Ion:	83	Resp:	74114
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	63.2	31.9	95.5

Manual Integrations
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2/12/2019 1:51:16 PM



#76

1,2,3-Trichloropropane

Concen: 16.365 ug/l m

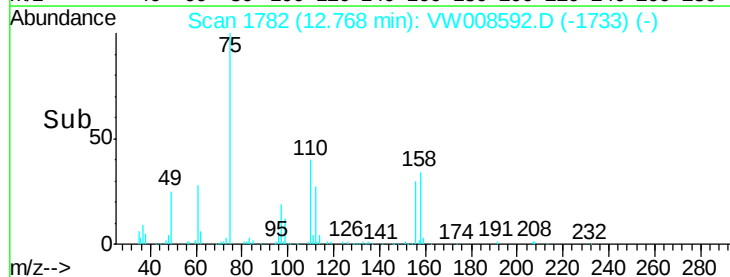
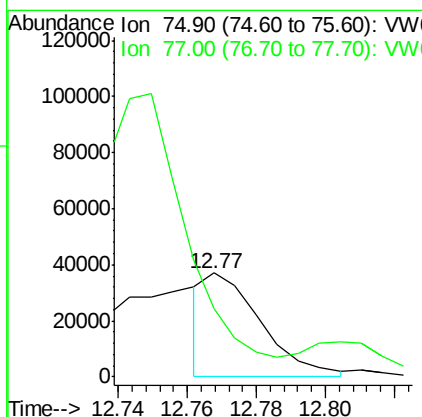
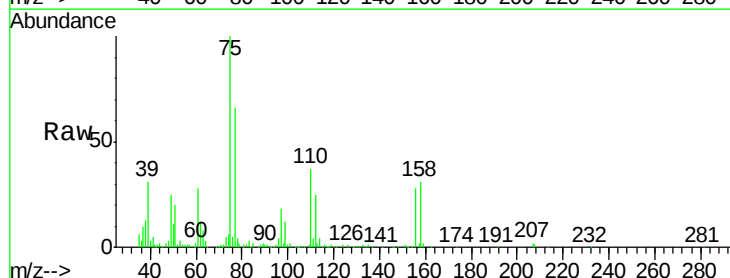
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	75	Resp:	41665
Ion Ratio	Lower	Upper	
75	100		
77	449.0	180.7	542.1





#77

Bromobenzene

Concen: 21.200 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

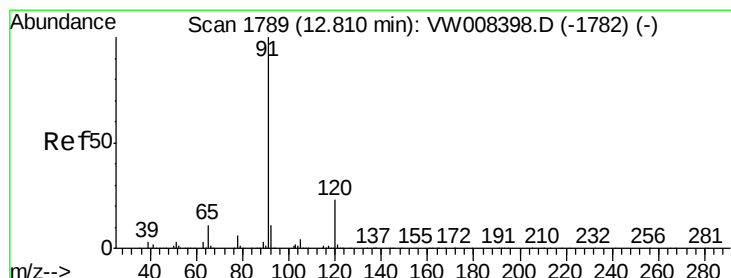
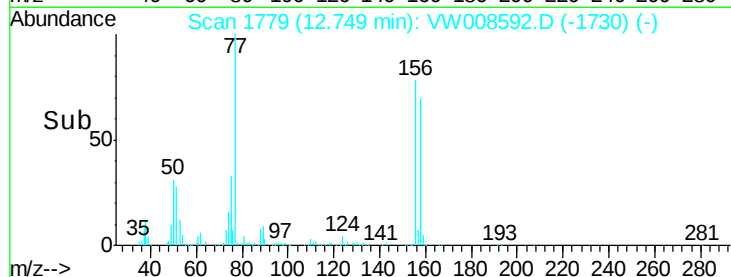
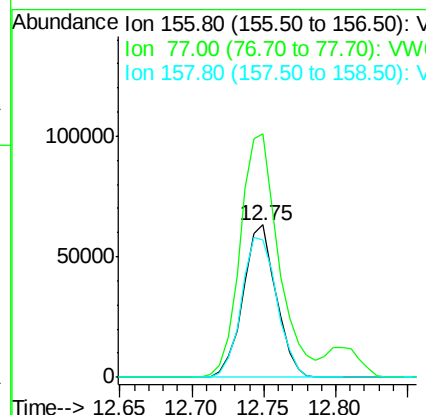
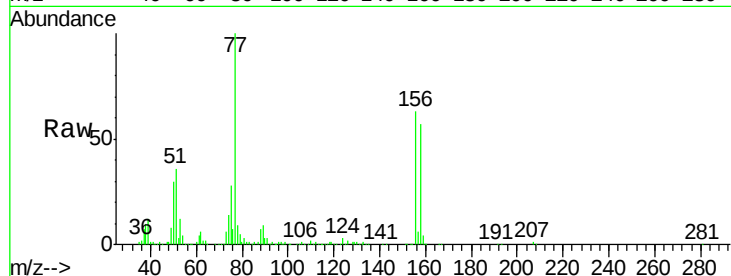
ClientSampleId :

VW0211SBSD01

Tot Ion:	156	Resp:	101075
Ion Ratio	Lower	Upper	
156	100		
77	185.1	96.9	290.7
158	97.6	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 20.106 ug/l

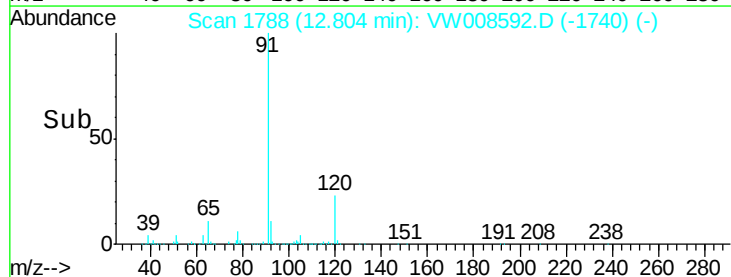
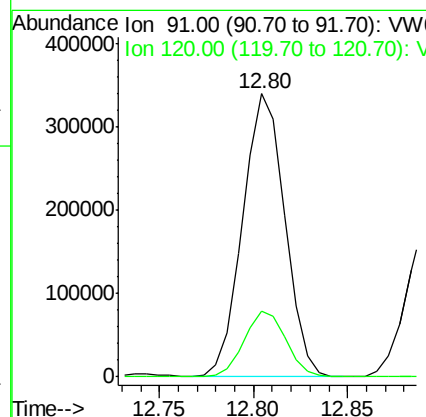
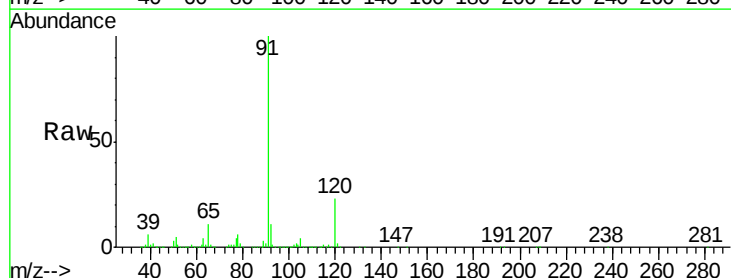
RT: 12.80 min Scan# 1788

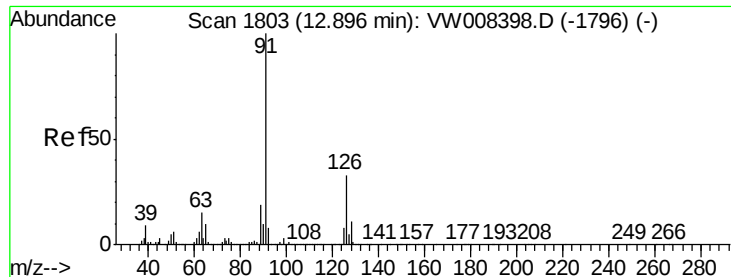
Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	91	Resp:	527198
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.4	34.1





#79

2-Chlorotoluene

Concen: 19.834 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion: 91 Resp: 293460

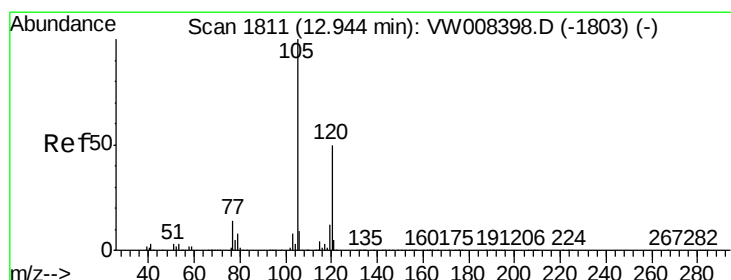
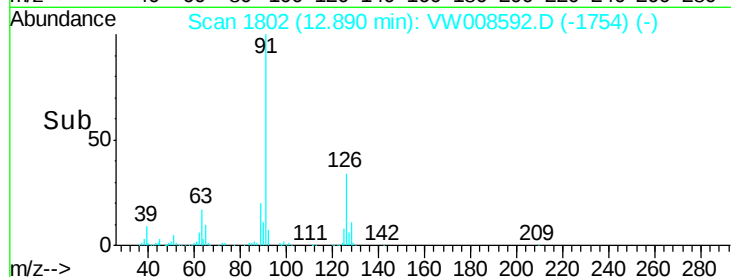
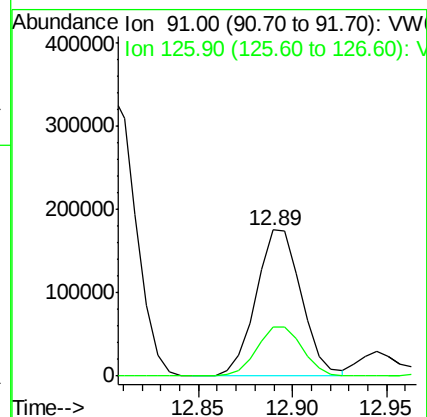
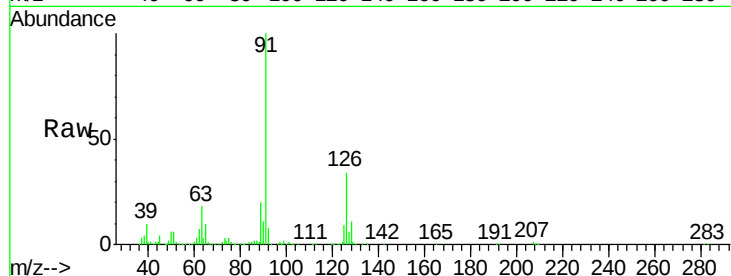
Ion Ratio Lower Upper

91 100

126 34.0 16.5 49.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.902 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008592.D

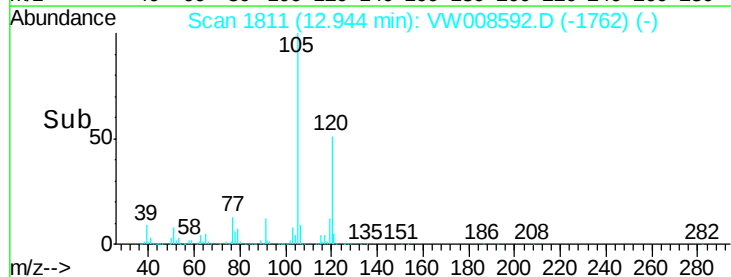
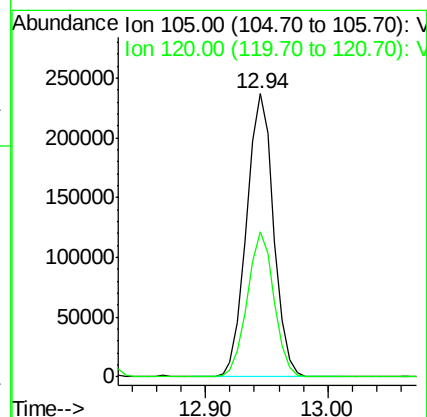
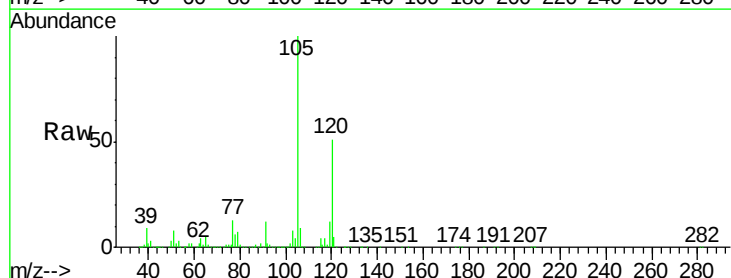
Acq: 11 Feb 2019 12:55

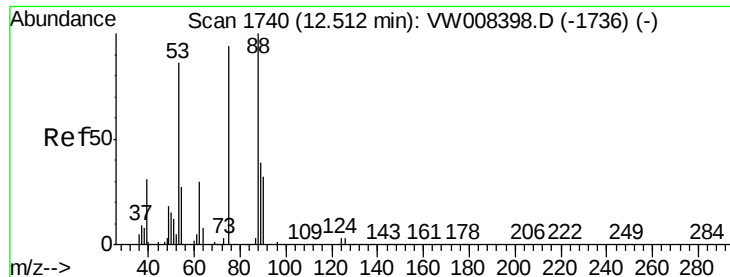
Tgt Ion: 105 Resp: 363152

Ion Ratio Lower Upper

105 100

120 50.6 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.888 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

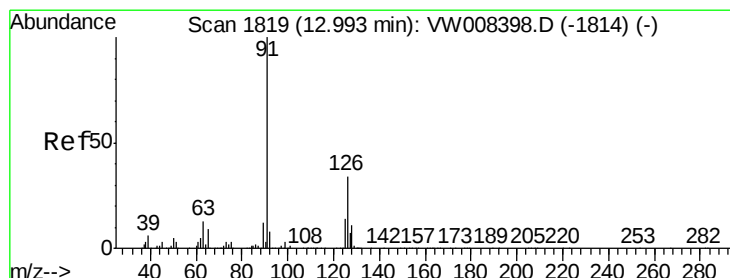
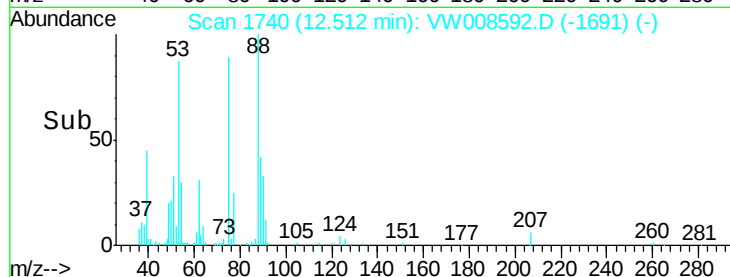
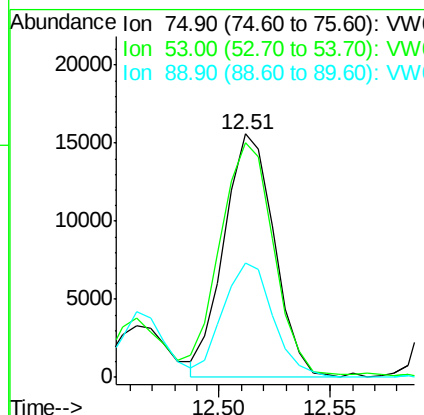
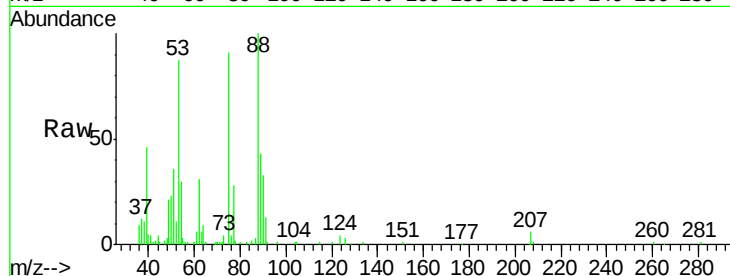
ClientSampleId :

VW0211SBSD01

Tot Ion:	75	Resp:	24347
Ion Ratio	Lower	Upper	
75	100		
53	102.8	76.0	114.0
89	47.3	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.512 ug/l

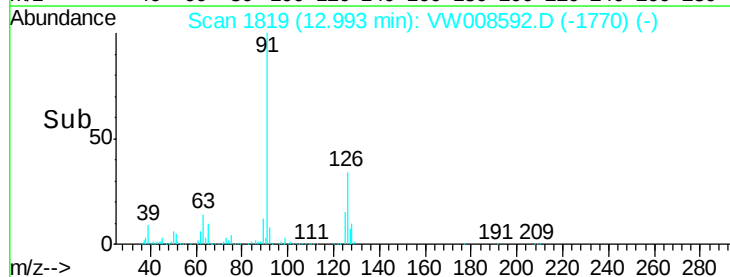
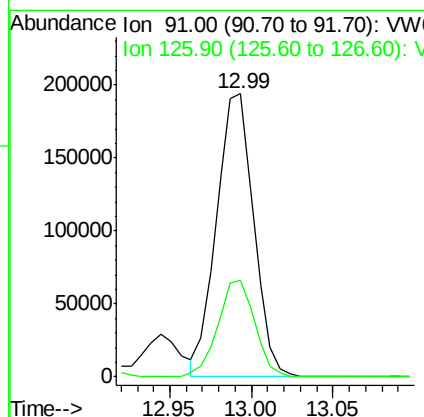
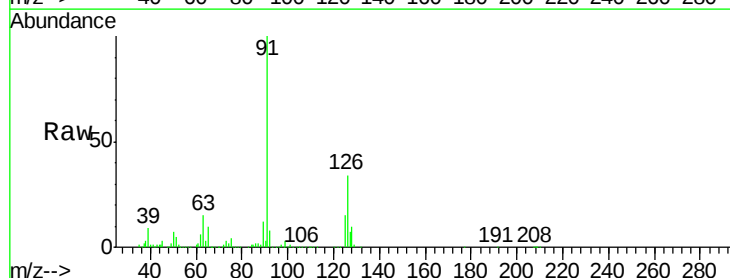
RT: 12.99 min Scan# 1819

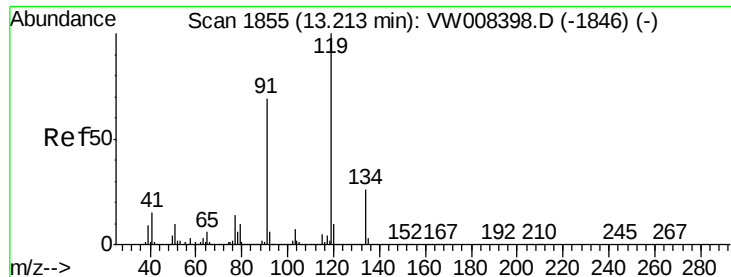
Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	91	Resp:	307367
Ion Ratio	Lower	Upper	
91	100		
126	34.1	16.4	49.2





#83

tert-Butylbenzene

Concen: 20.062 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

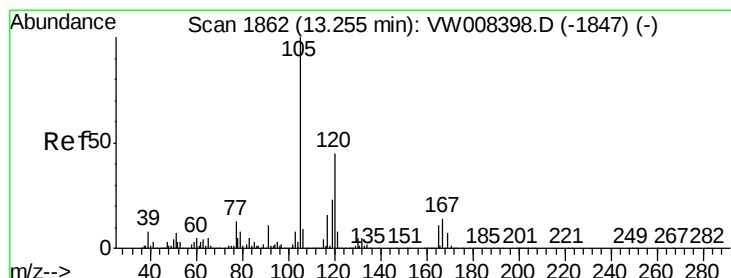
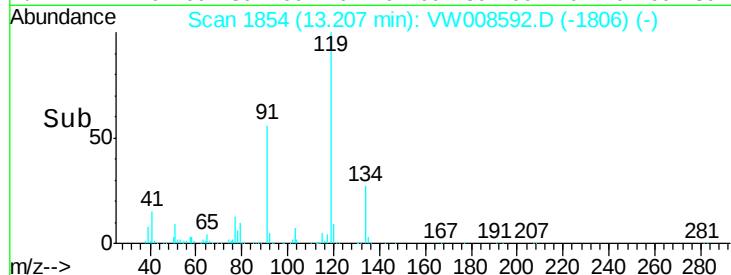
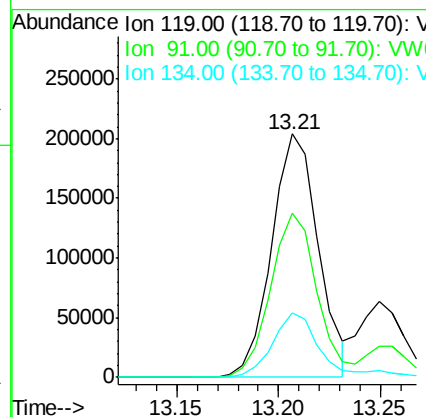
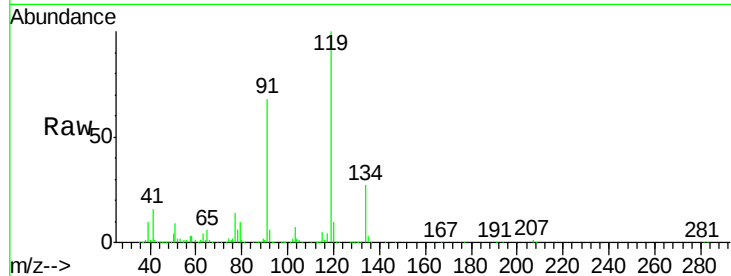
ClientSampleId :

VW0211SBSD01

Tot Ion:	119	Resp:	325755
Ion Ratio	Lower	Upper	
119	100		
91	67.2	33.8	101.4
134	25.4	13.5	40.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.343 ug/l

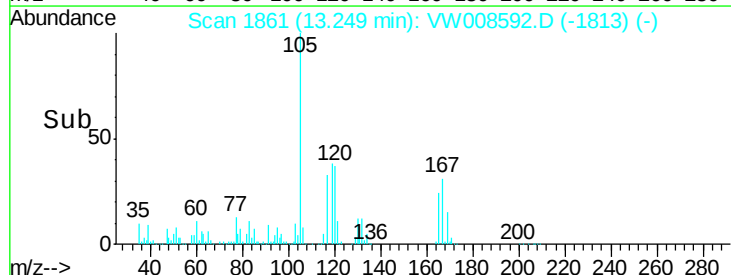
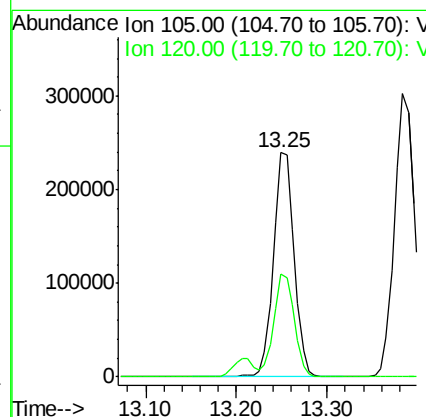
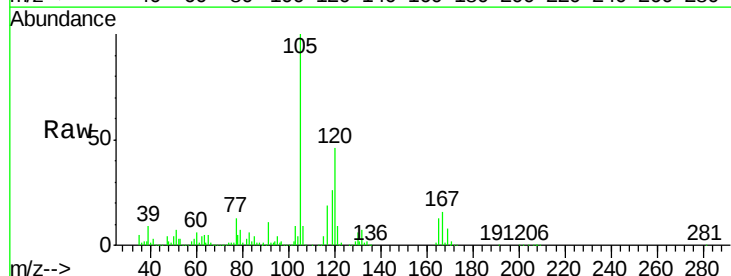
RT: 13.25 min Scan# 1861

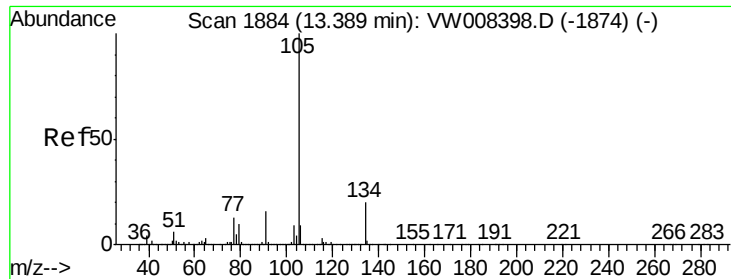
Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	105	Resp:	377306
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.103 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBSD01

Tot Ion:105 Resp: 466173

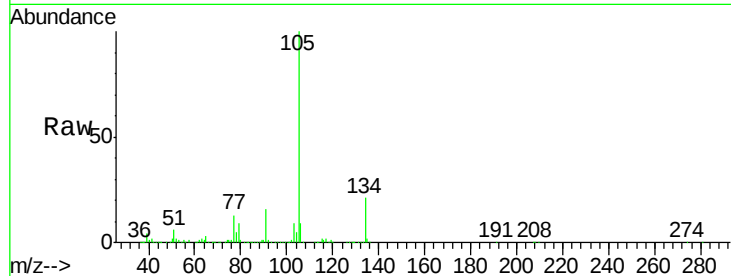
Ion Ratio Lower Upper

105 100

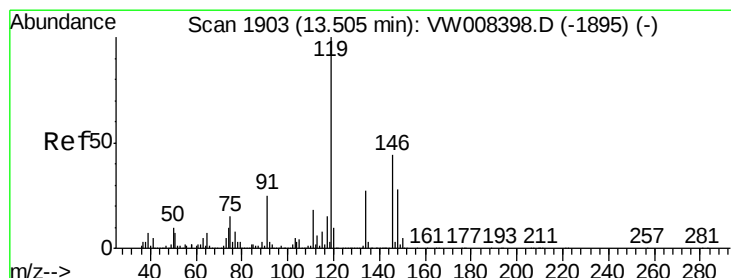
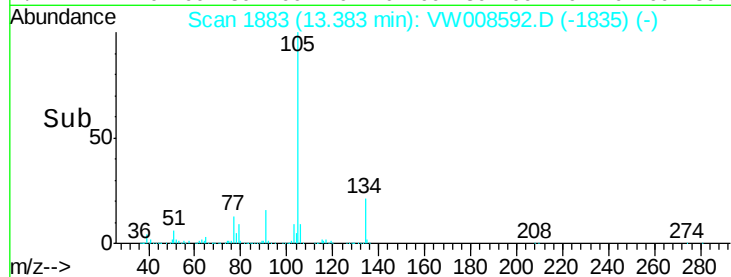
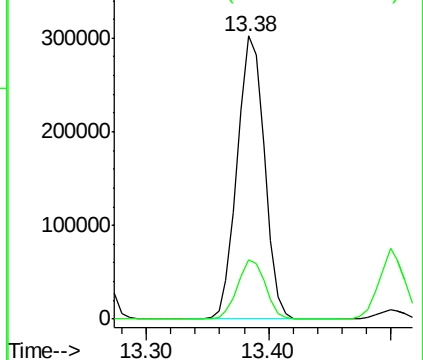
134 21.2 10.2 30.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.456 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

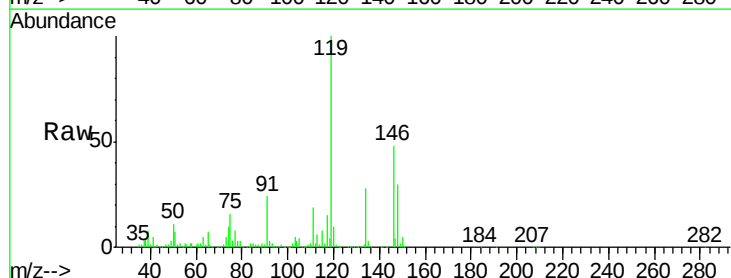
Tgt Ion:119 Resp: 415523

Ion Ratio Lower Upper

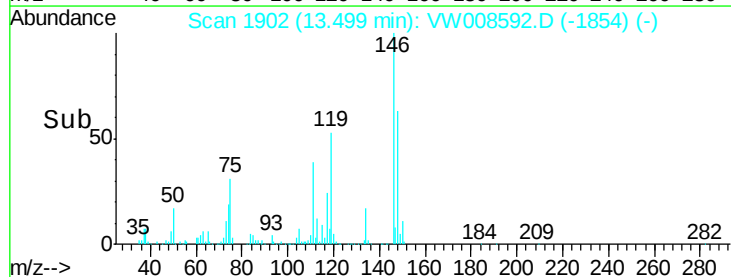
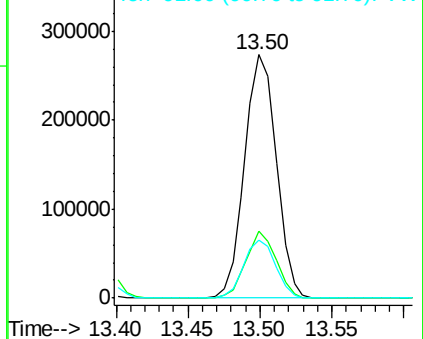
119 100

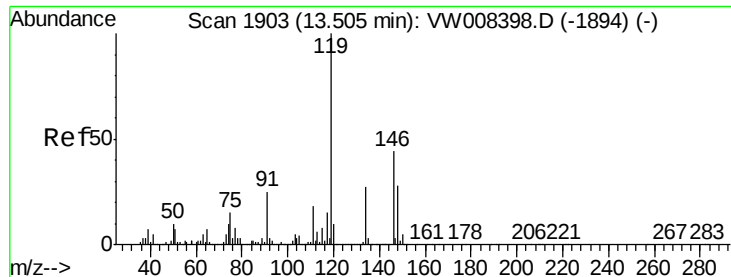
134 26.4 13.4 40.2

91 24.0 12.6 37.6



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: 21.105 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

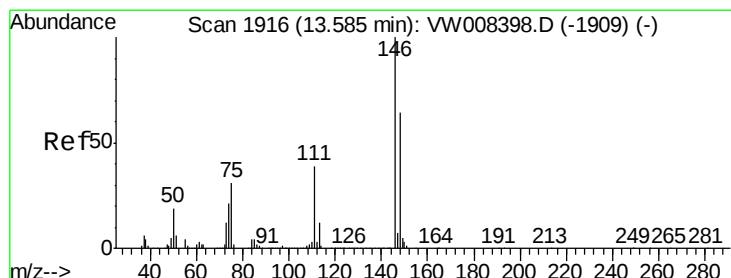
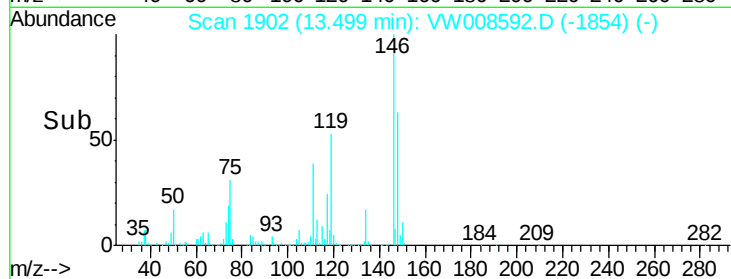
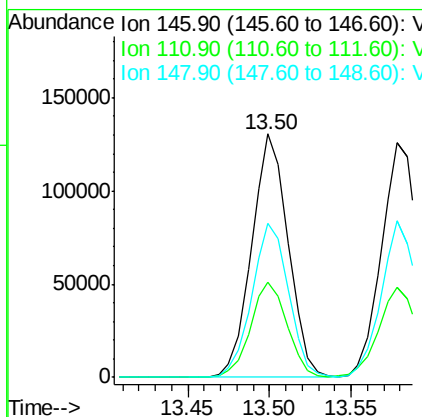
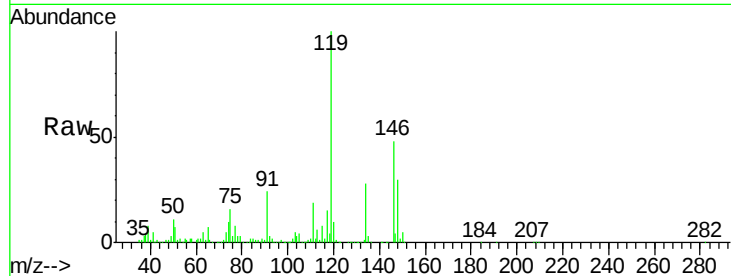
Instrument :
MSVOA_W

ClientSampled :
VW0211SBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.2	20.3	60.9
148	63.5	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.906 ug/l

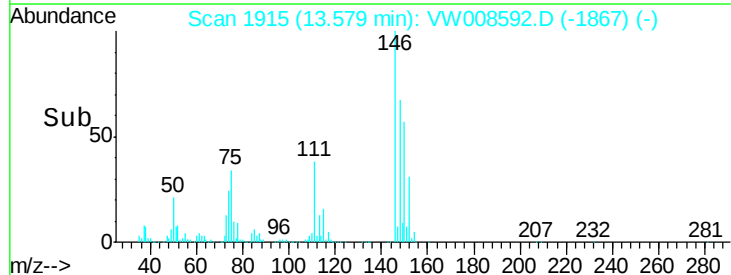
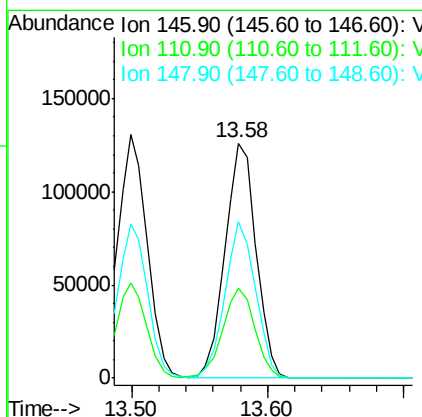
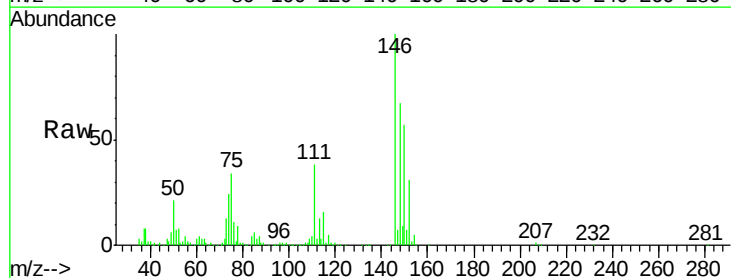
RT: 13.58 min Scan# 1915

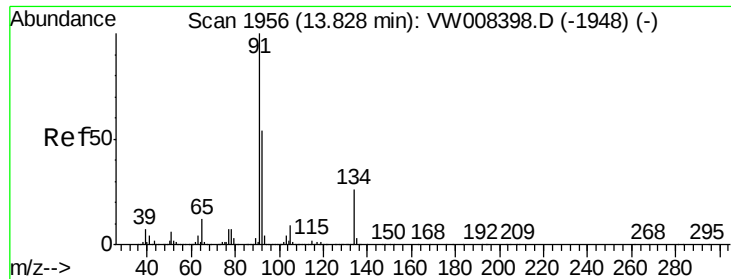
Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.6	20.0	60.0
148	65.5	32.0	96.2





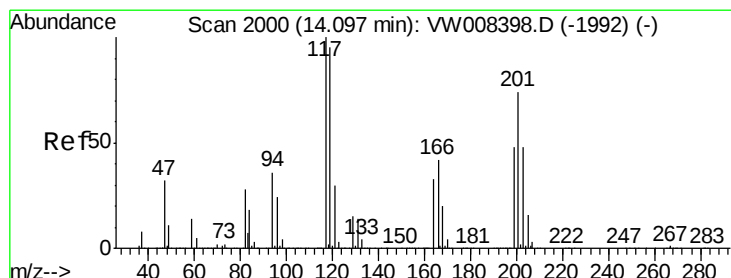
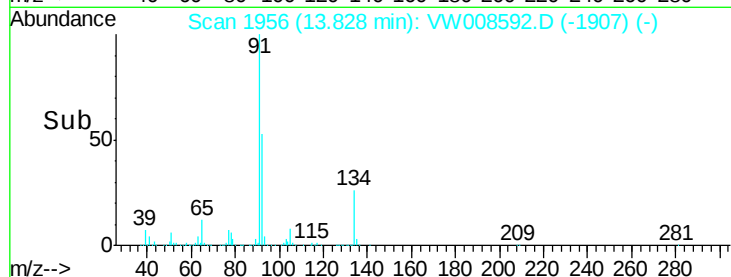
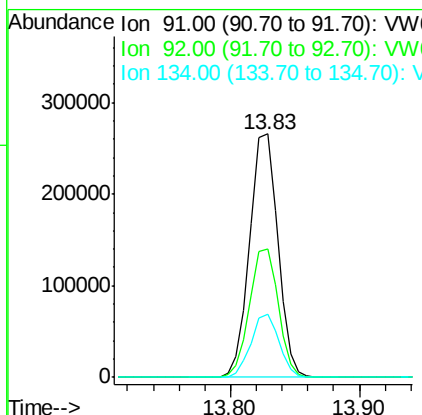
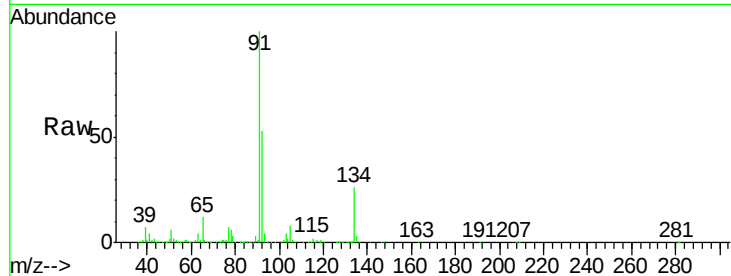
#89
n-Butylbenzene
Concen: 20.088 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampled :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.4	82.2
134	25.9	13.0	39.0

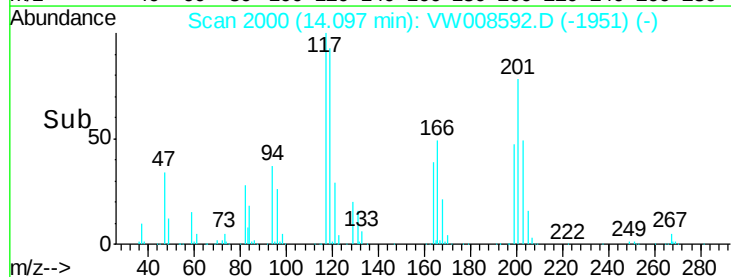
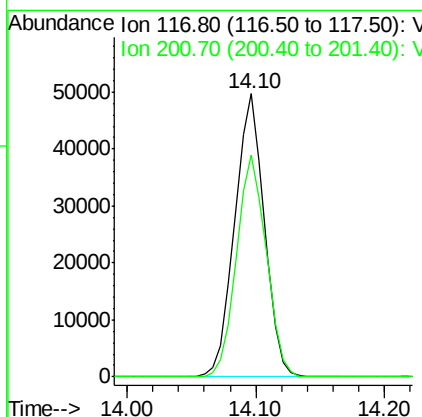
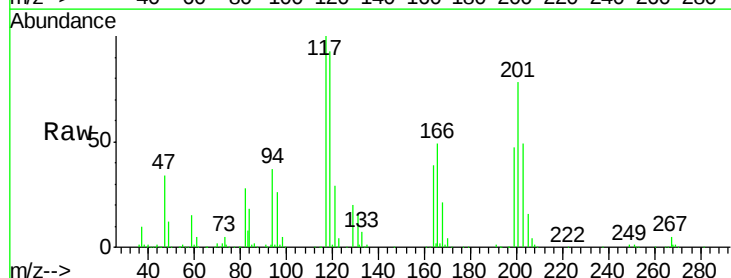
Manual Integrations
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2/12/2019 1:51:16 PM



#90
Hexachloroethane
Concen: 19.925 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 21.034 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Instrument :

MSVOA_W

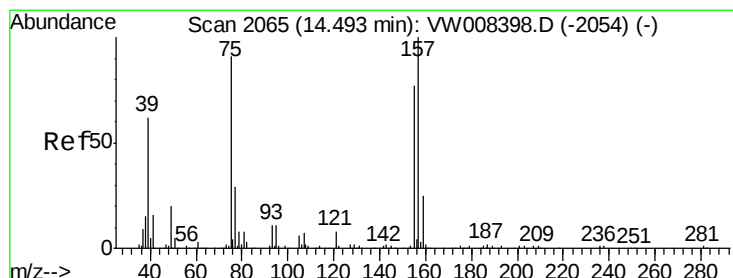
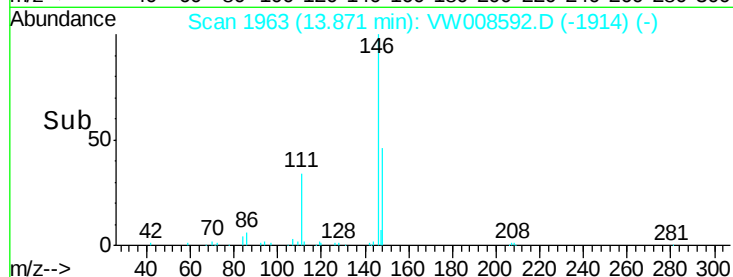
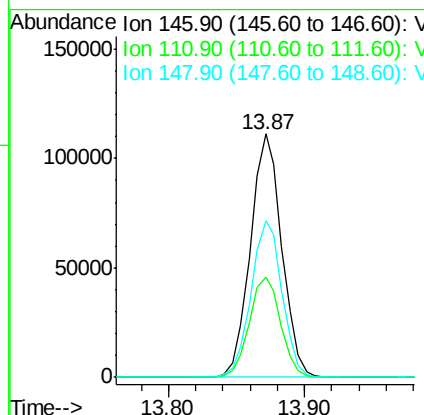
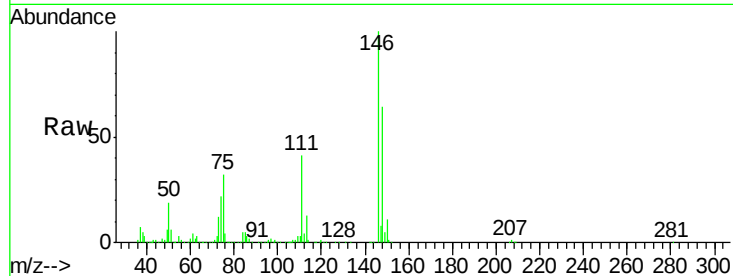
ClientSampleId :

VW0211SBSD01

Tot Ion:	146	Resp:	179202
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.1	63.3
148	63.8	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.159 ug/l

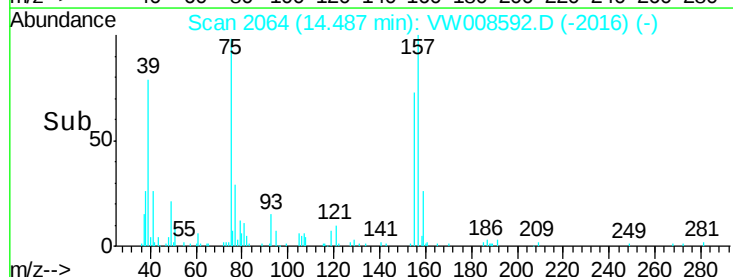
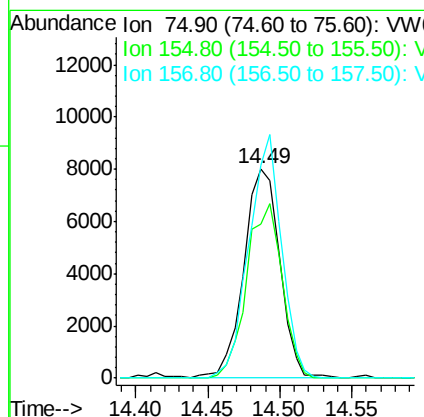
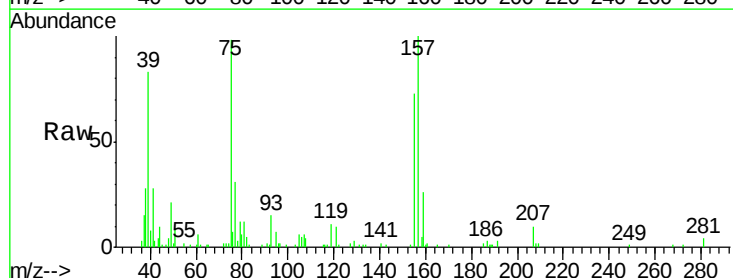
RT: 14.49 min Scan# 2064

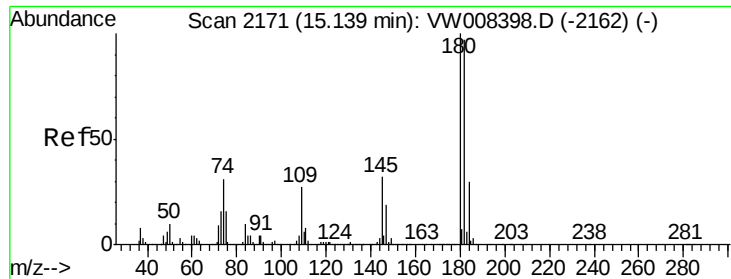
Delta R.T. -0.01 min

Lab File: VW008592.D

Acq: 11 Feb 2019 12:55

Tgt Ion:	75	Resp:	13876
Ion Ratio	Lower	Upper	
75	100		
155	81.8	42.7	128.1
157	104.9	55.5	166.3





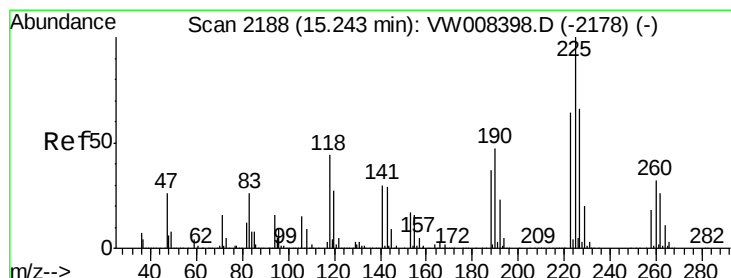
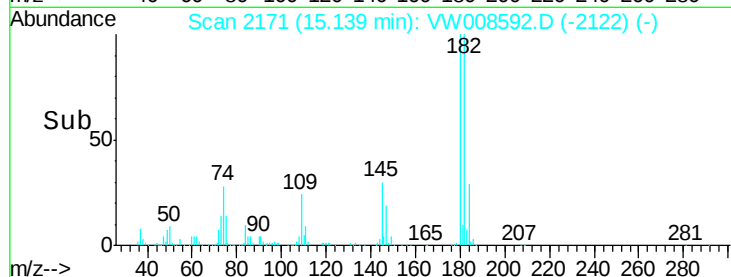
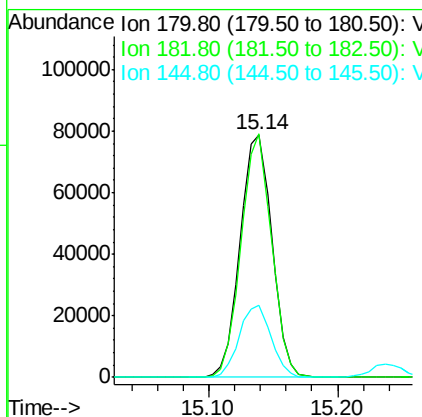
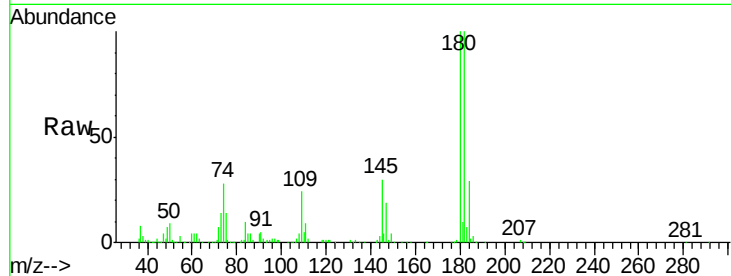
#93
1,2,4-Trichlorobenzene
Concen: 22.117 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	29.7	15.5	46.5

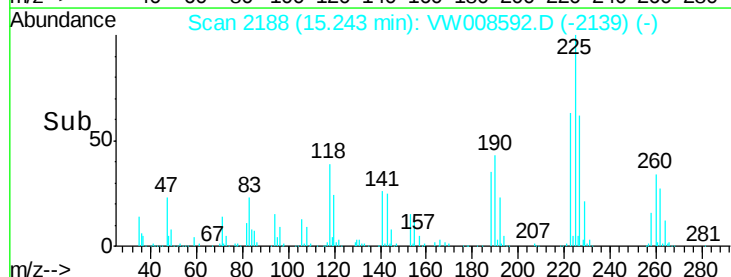
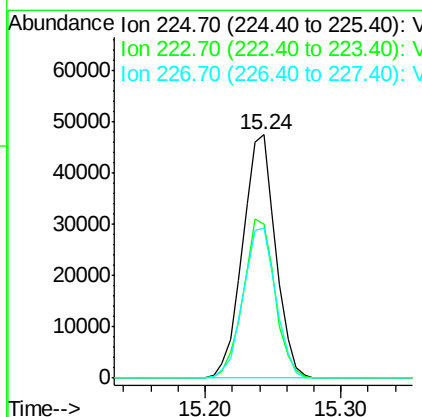
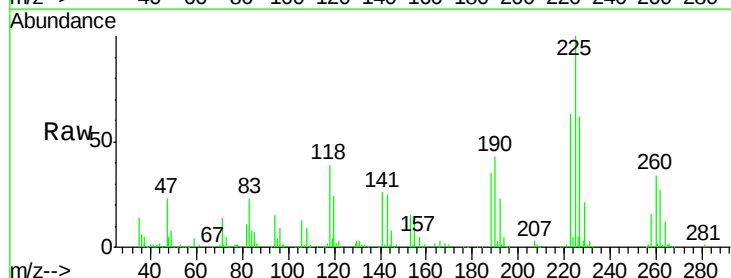
Manual Integrations
APPROVED

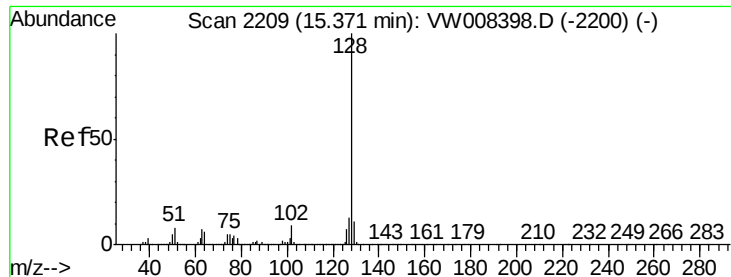
MMDadoda
2/12/2019 1:51:16 PM



#94
Hexachlorobutadiene
Concen: 21.927 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.7	95.1
227	61.6	32.1	96.3





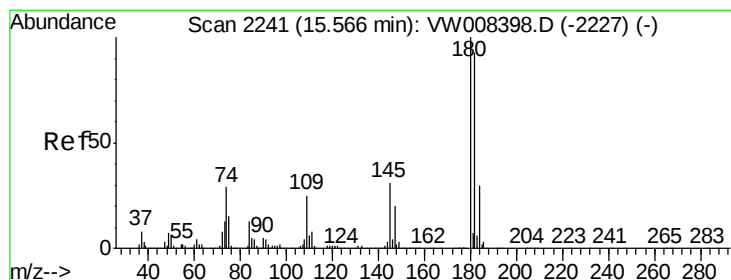
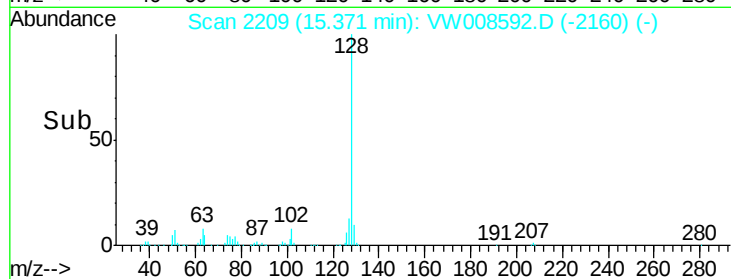
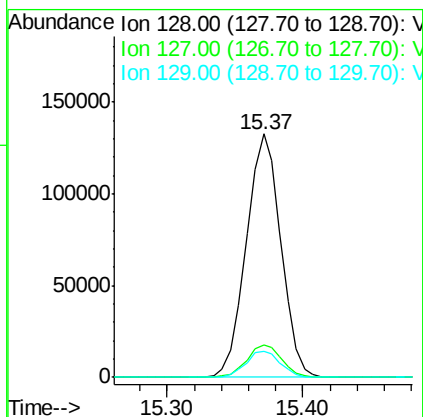
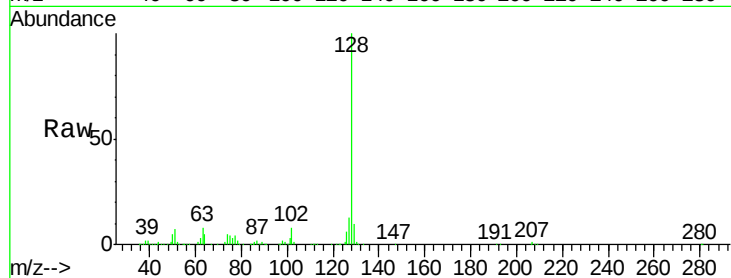
#95
Naphthalene
Concen: 22.153 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Instrument :
MSVOA_W
ClientSampled :
VW0211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	236486		
127	13.5	10.6	15.8	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/12/2019 1:51:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.414 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008592.D
Acq: 11 Feb 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115598		
182	94.0	47.0	141.2	
145	32.4	15.9	47.6	

