

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008997.D
 Acq On : 05 Mar 2019 15:28
 Operator : SY/VA
 Sample : K1655-11MS
 Misc : 6.40G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 3:22:07 PM

Quant Time: Mar 06 07:37:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137004	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	121164	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	
35) Dibromofluoromethane	7.88	113	104528	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
50) Toluene-d8	10.32	98	402858	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	133854	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	121778	52.798	ug/l	100
3) Chloromethane	2.21	50	149882	53.384	ug/l	97
4) Vinyl Chloride	2.35	62	153685	51.699	ug/l	100
5) Bromomethane	2.76	94	123306	55.846	ug/l	96
6) Chloroethane	2.91	64	108975	51.625	ug/l	99
7) Trichlorofluoromethane	3.25	101	206988	55.055	ug/l	93
8) Diethyl Ether	3.68	74	67622	56.812	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124210	54.404	ug/l	99
10) Methyl Iodide	4.27	142	109451	38.337	ug/l	98
11) Tert butyl alcohol	5.18	59	64187	333.808	ug/l	96
12) 1,1-Dichloroethene	4.03	96	110223	54.666	ug/l	96
13) Acrolein	3.90	56	38427	194.252	ug/l	100
14) Allyl chloride	4.67	41	182664	52.490	ug/l	99
15) Acrylonitrile	5.37	53	174867	342.321	ug/l	99
16) Acetone	4.13	43	212500	424.454	ug/l	97
17) Carbon Disulfide	4.38	76	343624	51.365	ug/l	99
18) Methyl Acetate	4.67	43	131595	110.819	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	333209	61.055	ug/l	100
20) Methylene Chloride	4.92	84	155154	64.381	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	124465	53.365	ug/l	94
22) Diisopropyl ether	6.31	45	407370	58.682	ug/l	99
23) Vinyl Acetate	6.26	43	663725	154.746	ug/l	98
24) 1,1-Dichloroethane	6.21	63	227127	56.461	ug/l	99
25) 2-Butanone	7.17	43	257692	368.167	ug/l	100
26) 2,2-Dichloropropane	7.17	77	203393	55.692	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	138828	55.645	ug/l	98
28) Bromochloromethane	7.51	49	82559	49.044	ug/l	99
29) Tetrahydrofuran	7.52	42	157753	353.669	ug/l	99
30) Chloroform	7.68	83	238130	57.703	ug/l	99
31) Cyclohexane	7.95	56	196015	48.138	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	213665	56.933	ug/l	99
36) 1,1-Dichloropropene	8.08	75	177357	54.162	ug/l	99
37) Ethyl Acetate	7.25	43	99461	65.316	ug/l	96
38) Carbon Tetrachloride	8.07	117	189756	54.948	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	181400	44.412	ug/l	99
40) Benzene	8.32	78	503256	56.288	ug/l	96
41) Methacrylonitrile	7.48	41	51370	57.391	ug/l	90
42) 1,2-Dichloroethane	8.40	62	170783	60.300	ug/l	98
43) Isopropyl Acetate	8.43	43	187980	61.853	ug/l	98
44) Trichloroethene	9.09	130	130835	51.946	ug/l	95
45) 1,2-Dichloropropane	9.37	63	124956	56.557	ug/l	97
46) Dibromomethane	9.46	93	73706	59.976	ug/l	96
47) Bromodichloromethane	9.65	83	172682	57.753	ug/l	98
48) Methyl methacrylate	9.43	41	90987	62.510	ug/l	94
49) 1,4-Dioxane	9.45	88	26112	1326.815	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	534422	346.361	ug/l	99
52) Toluene	10.39	92	333275	54.925	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	172099	56.470	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	196277	56.469	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	101799	61.081	ug/l	99
56) Ethyl methacrylate	10.65	69	134222	61.988	ug/l	98
57) 1,3-Dichloropropane	10.93	76	172553	58.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	302648	277.907	ug/l	98
59) 2-Hexanone	10.97	43	374327	340.809	ug/l	100
60) Dibromochloromethane	11.13	129	120448	59.251	ug/l	97
61) 1,2-Dibromoethane	11.24	107	94327	57.178	ug/l	99
64) Tetrachloroethene	10.86	164	112088	51.561	ug/l	98
65) Chlorobenzene	11.66	112	342950	53.705	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	123820	57.345	ug/l	98
67) Ethyl Benzene	11.73	91	637899	55.879	ug/l	99
68) m/p-Xylenes	11.84	106	473050	103.713	ug/l	99
69) o-Xylene	12.16	106	232806	54.379	ug/l	98
70) Styrene	12.18	104	353538	51.329	ug/l	97
71) Bromoform	12.35	173	71892	61.942	ug/l #	99
73) Isopropylbenzene	12.46	105	613795	65.352	ug/l	99
74) N-amyl acetate	12.27	43	143475	60.645	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	118286	77.077	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	85390m	75.490	ug/l	
77) Bromobenzene	12.75	156	138945	62.603	ug/l	95
78) n-propylbenzene	12.80	91	707012	61.539	ug/l	99
79) 2-Chlorotoluene	12.90	91	397376	60.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	499584	61.209	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36288	77.990	ug/l	97
82) 4-Chlorotoluene	12.99	91	403400	58.687	ug/l	99
83) tert-Butylbenzene	13.21	119	420778	59.622	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	457376	54.134	ug/l	99
85) sec-Butylbenzene	13.38	105	562023	55.384	ug/l	99
86) p-Isopropyltoluene	13.50	119	502543	54.020	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	243793	52.942	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	242928	53.526	ug/l	99
89) n-Butylbenzene	13.83	91	418177	47.982	ug/l	99
90) Hexachloroethane	14.10	117	85007	55.818	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	222842	54.311	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22534	81.172	ug/l	94

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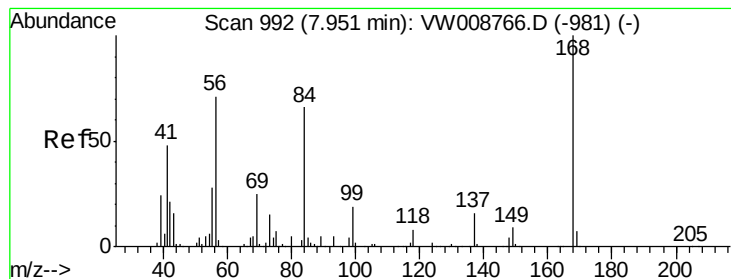
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	102279	34.597	ug/l	99
94) Hexachlorobutadiene	15.24	225	53735	30.858	ug/l	97
95) Naphthalene	15.37	128	241252	47.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	89800	35.132	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:168 Resp: 230287

Ion Ratio Lower Upper

168 100

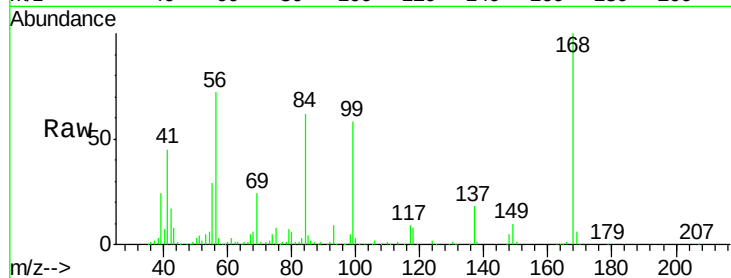
99 58.2 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

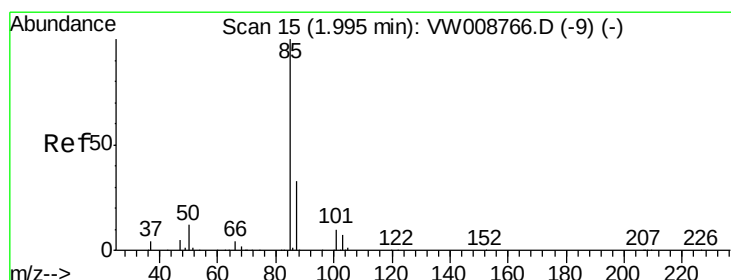
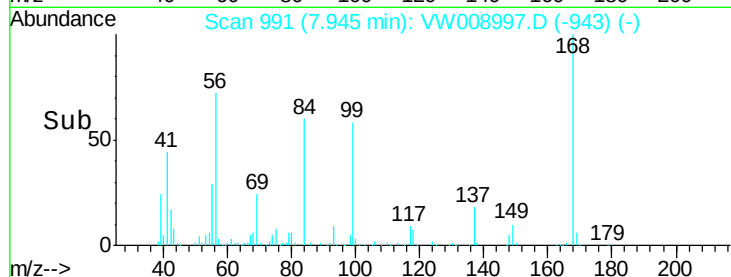
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.798 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008997.D

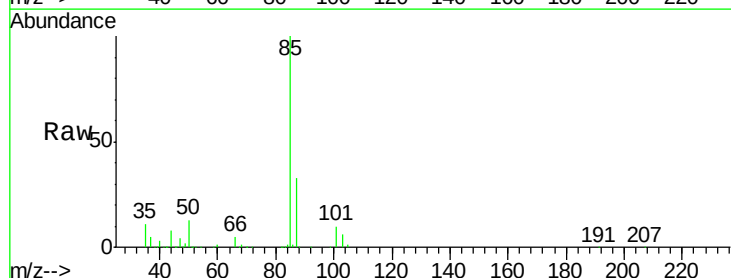
Acq: 05 Mar 2019 15:28

Tgt Ion: 85 Resp: 121778

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

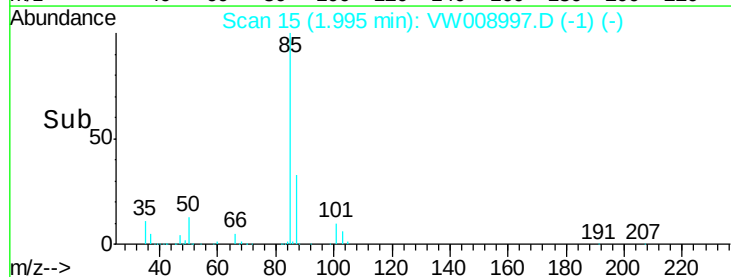
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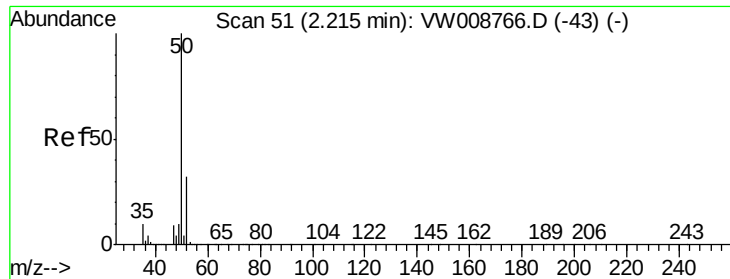
40000

20000

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Time-->





#3

Chloromethane

Concen: 53.384 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion: 50 Resp: 149882

Ion Ratio Lower Upper

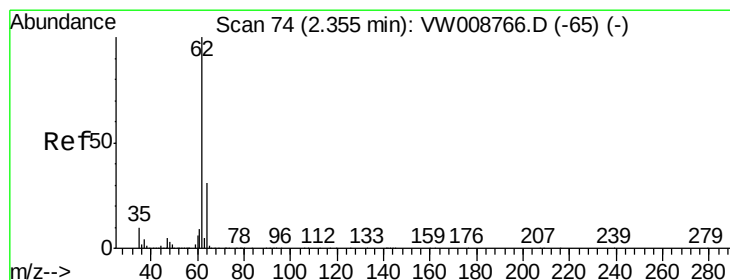
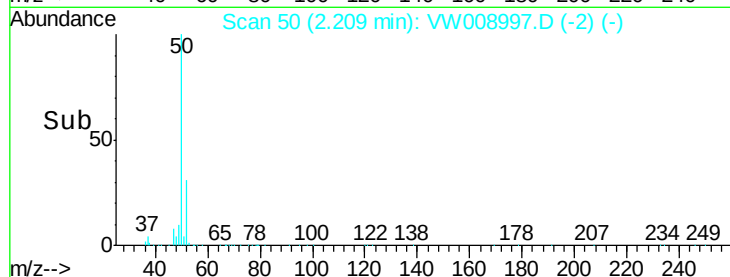
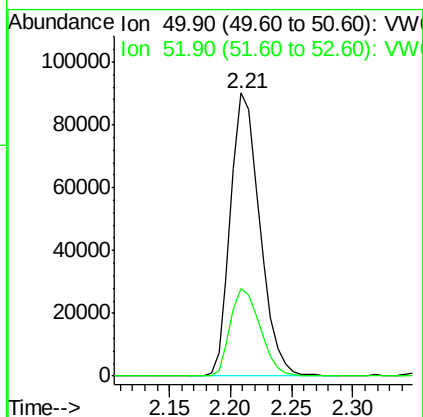
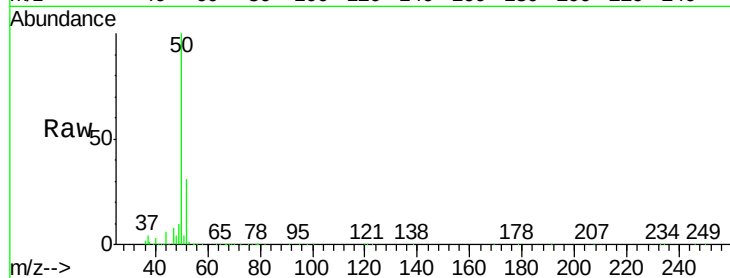
50 100

52 30.9 25.9 38.9

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#4

Vinyl Chloride

Concen: 51.699 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008997.D

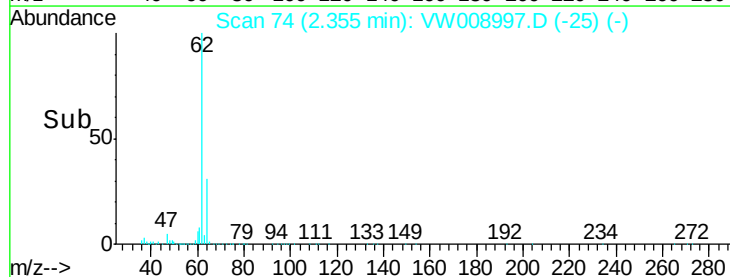
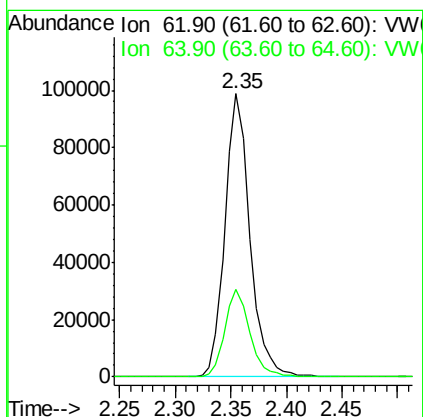
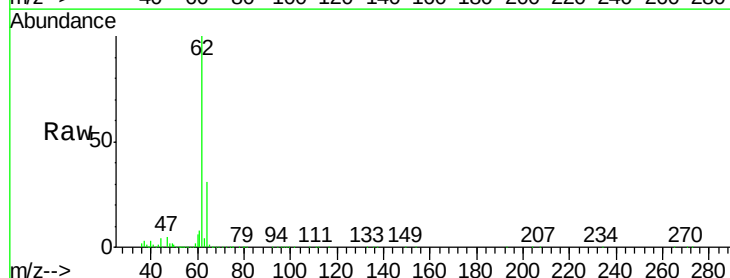
Acq: 05 Mar 2019 15:28

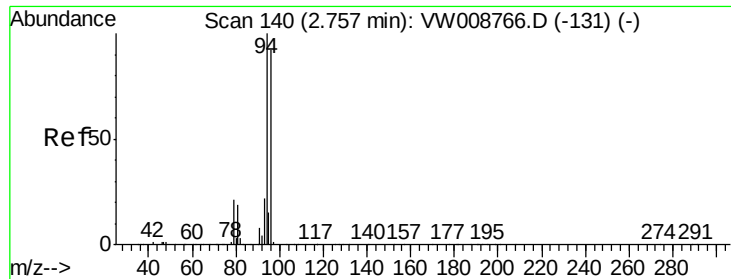
Tgt Ion: 62 Resp: 153685

Ion Ratio Lower Upper

62 100

64 30.9 24.9 37.3





#5

Bromomethane

Concen: 55.846 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

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Tot Ion: 94 Resp: 123306

Ion Ratio Lower Upper

94 100

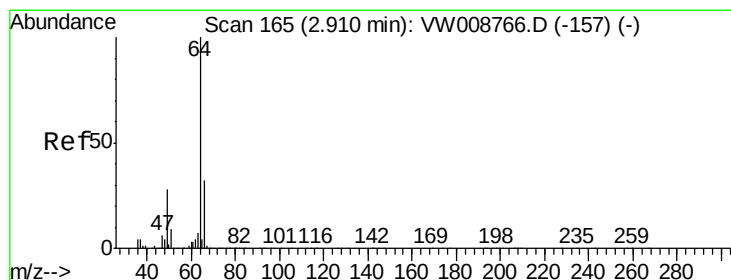
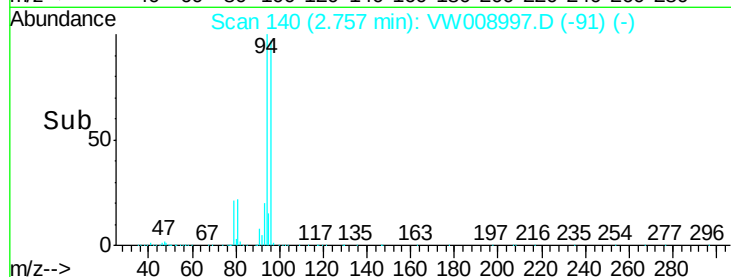
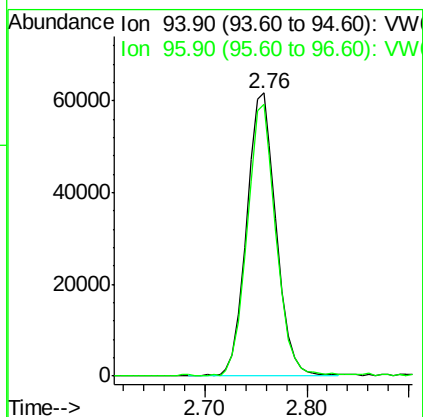
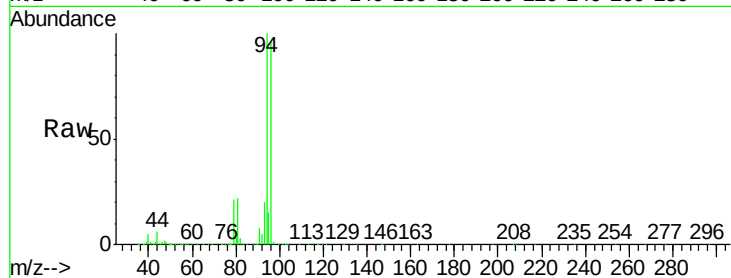
96 95.9 73.4 110.2

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#6

Chloroethane

Concen: 51.625 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008997.D

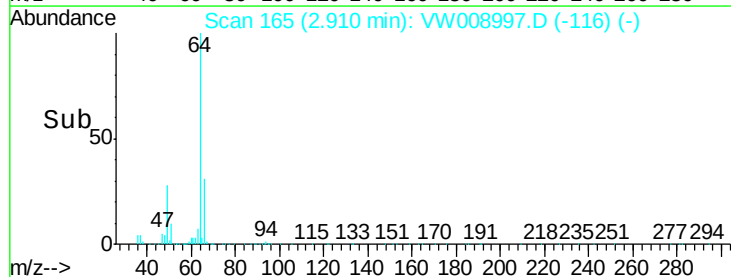
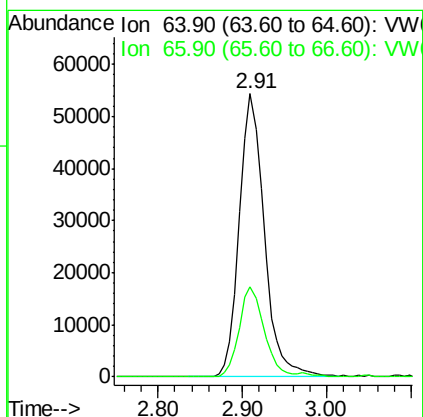
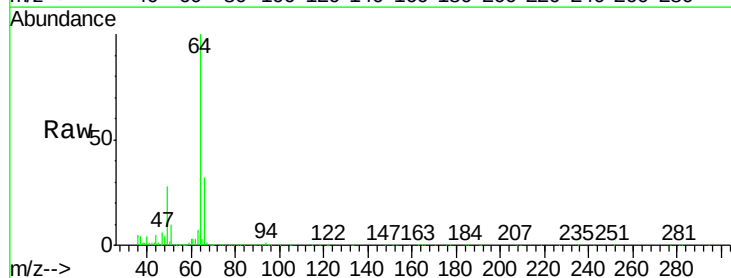
Acq: 05 Mar 2019 15:28

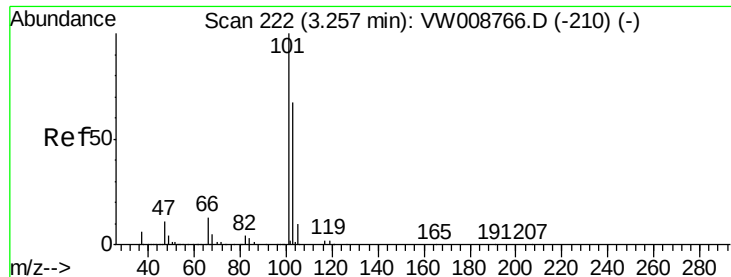
Tgt Ion: 64 Resp: 108975

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3





#7

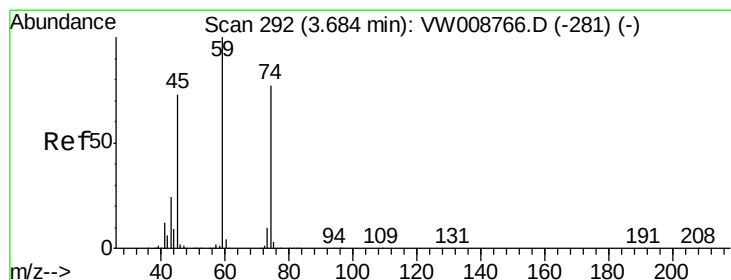
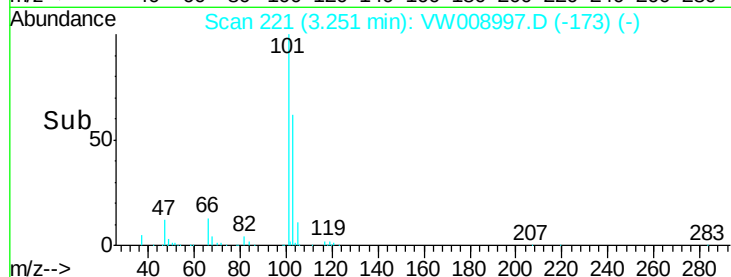
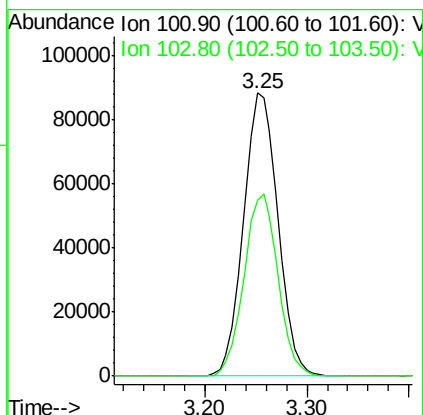
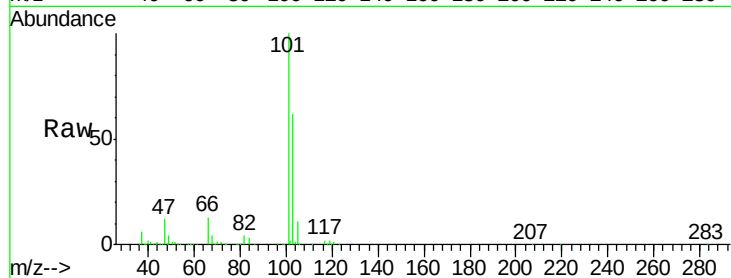
Trichlorofluoromethane
 Concen: 55.055 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	206988		
103	62.0	53.9	80.9	

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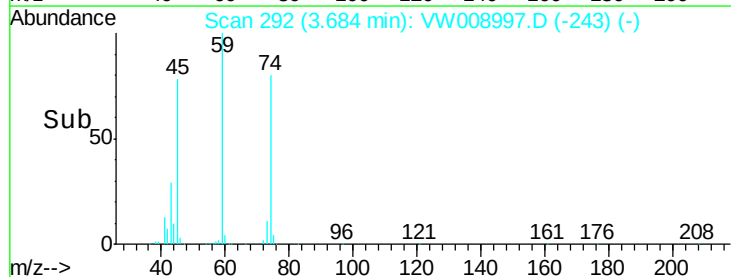
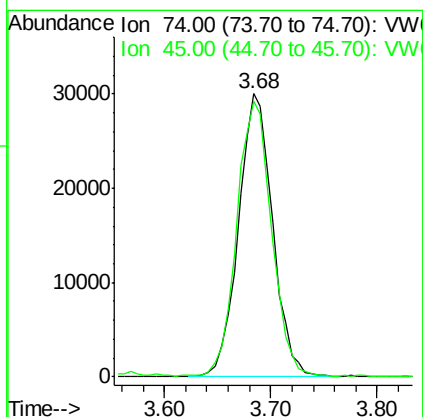
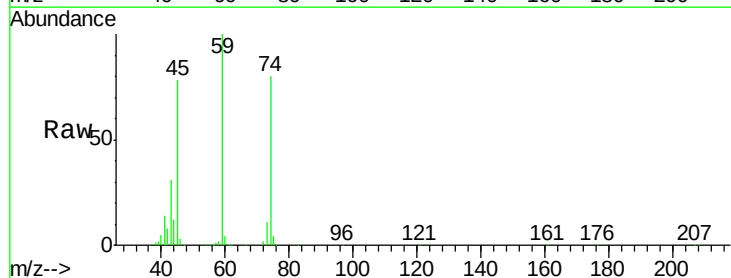
MMDadoda
 3/6/2019 3:22:07 PM

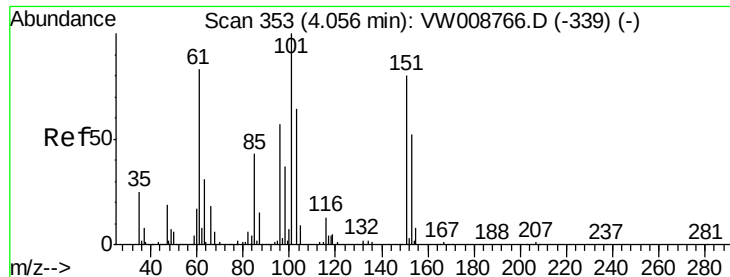


#8

Diethyl Ether
 Concen: 56.812 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67622		
45	99.5	50.2	150.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.404 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

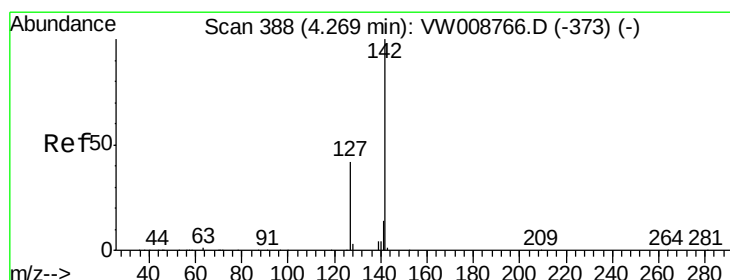
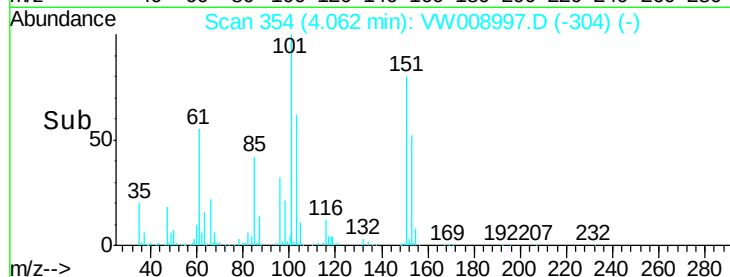
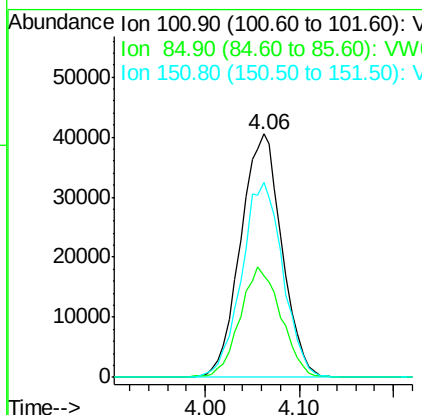
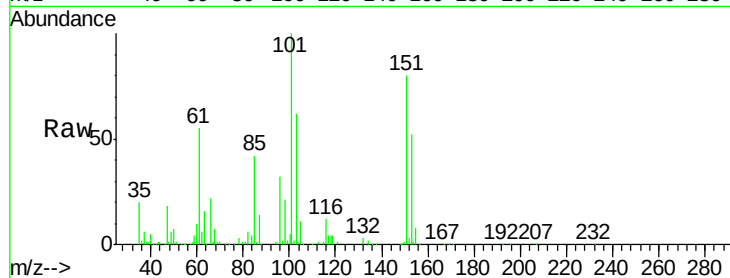
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	101	Resp:	124210
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	80.3	65.5	98.3

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#10

Methyl Iodide

Concen: 38.337 ug/l

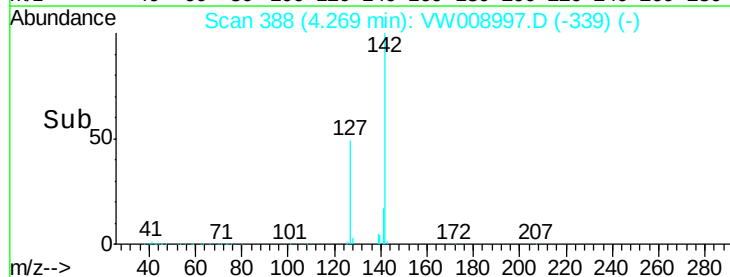
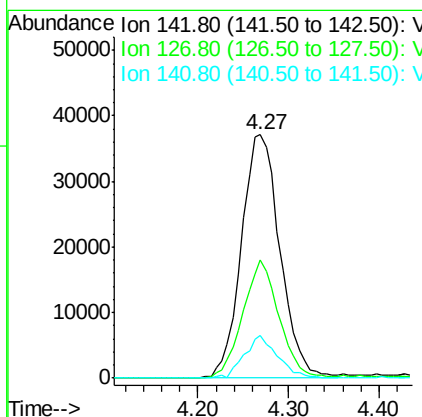
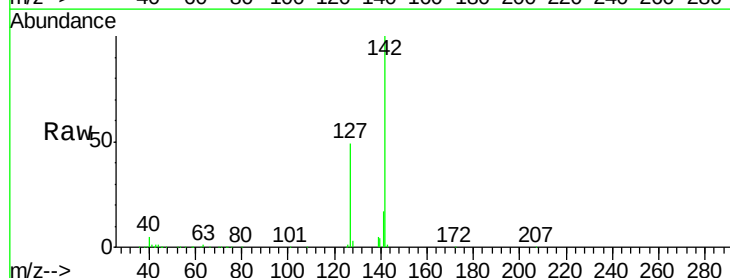
RT: 4.27 min Scan# 388

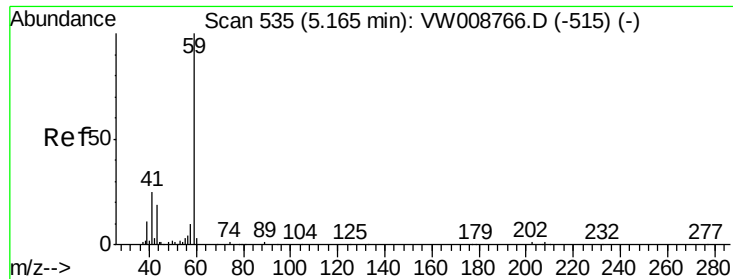
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	142	Resp:	109451
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.3	52.9
141	15.2	11.7	17.5





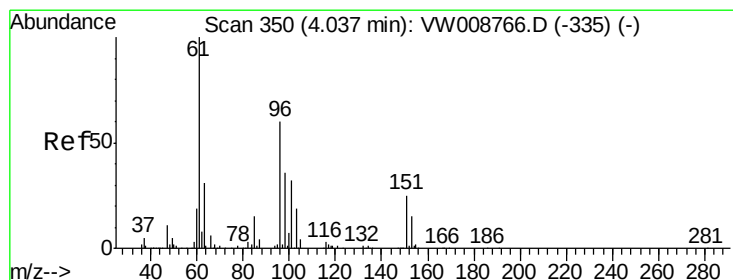
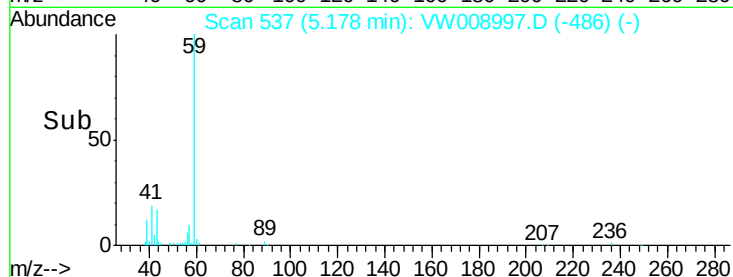
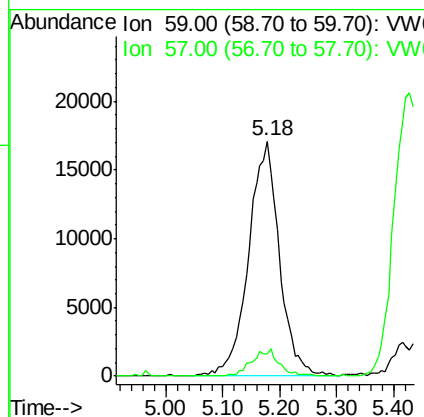
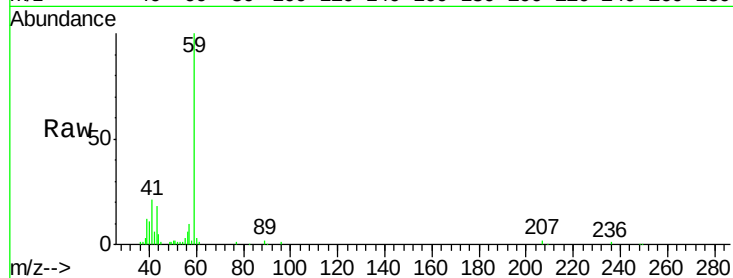
#11
Tert butyl alcohol
Concen: 333.808 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion: 59 Resp: 64187
Ion Ratio Lower Upper
59 100
57 10.2 9.3 13.9

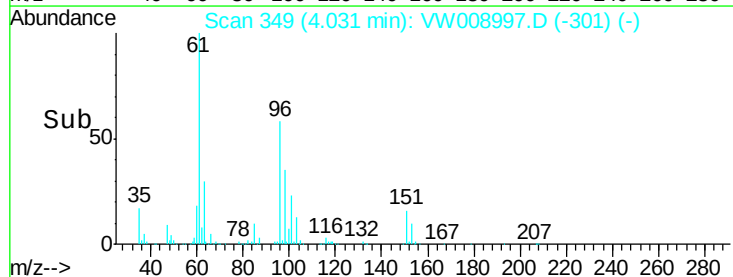
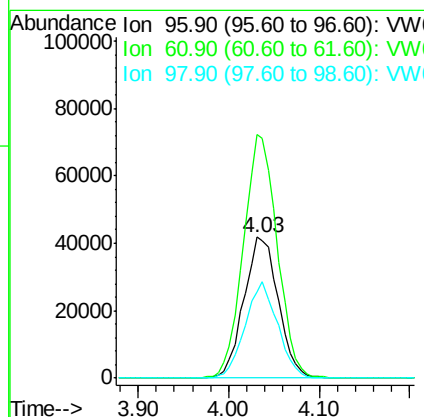
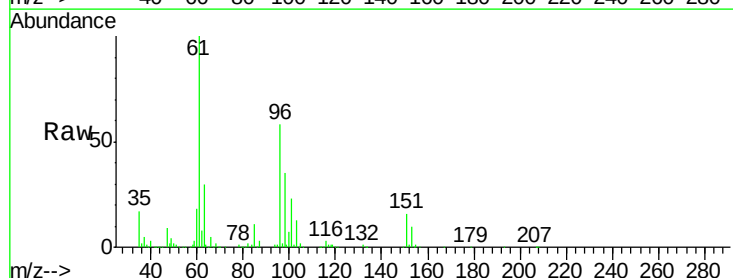
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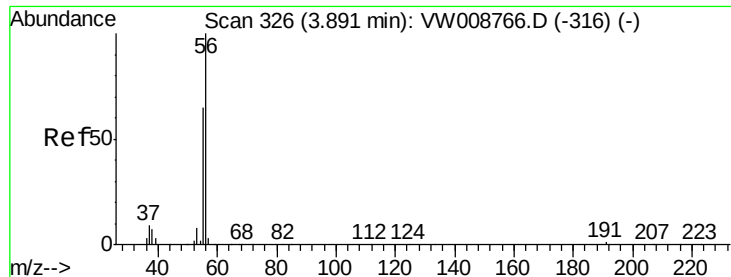
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#12
1,1-Dichloroethene
Concen: 54.666 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion: 96 Resp: 110223
Ion Ratio Lower Upper
96 100
61 172.8 132.5 198.7
98 61.1 48.2 72.4





#13

Acrolein

Concen: 194.252 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion: 56 Resp: 38427

Ion Ratio Lower Upper

56 100

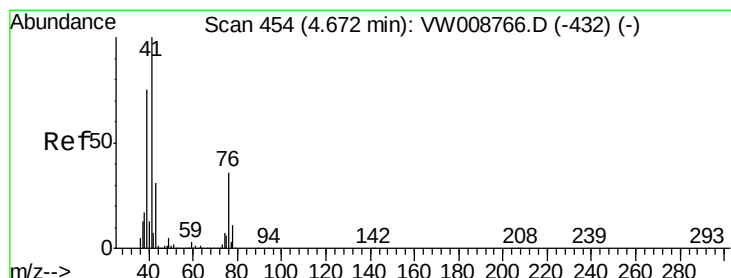
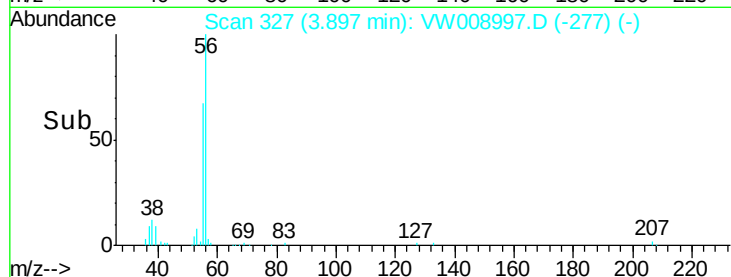
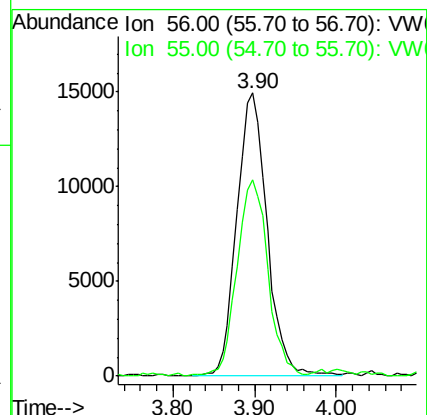
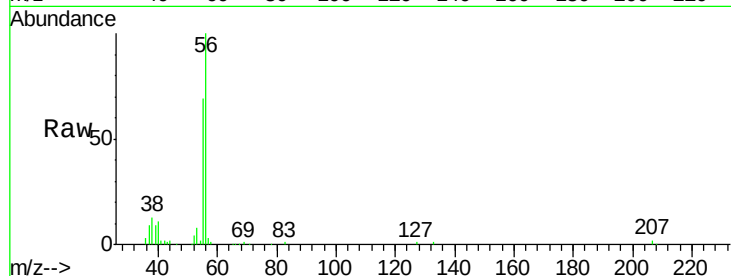
55 70.8 56.9 85.3

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#14

Allyl chloride

Concen: 52.490 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

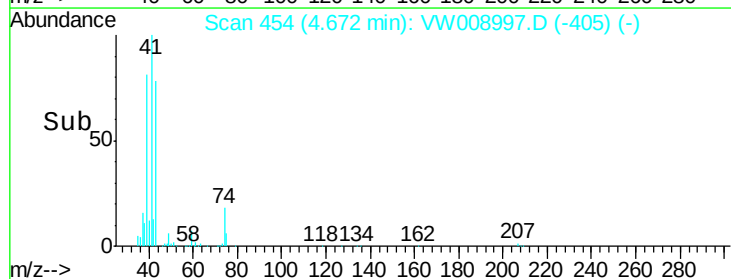
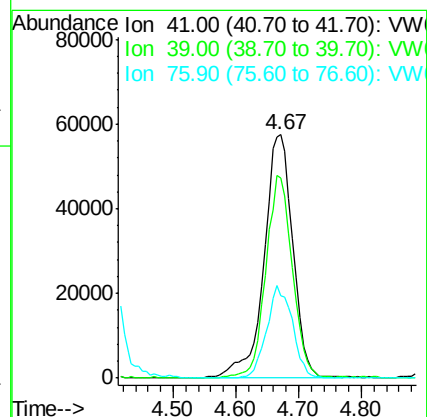
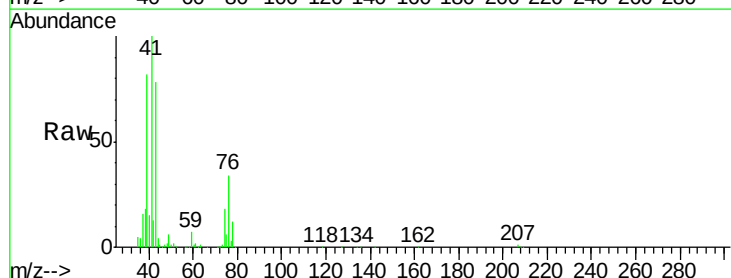
Tgt Ion: 41 Resp: 182664

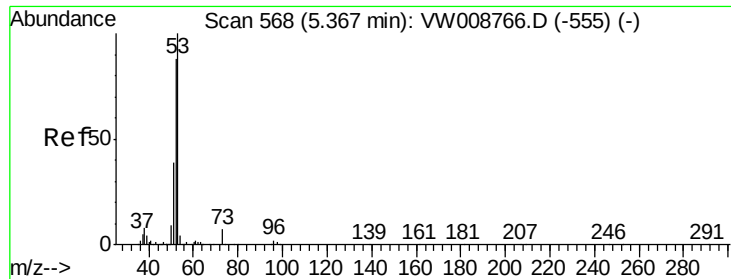
Ion Ratio Lower Upper

41 100

39 76.0 60.6 91.0

76 33.9 28.6 42.8





#15

Acrylonitrile

Concen: 342.321 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

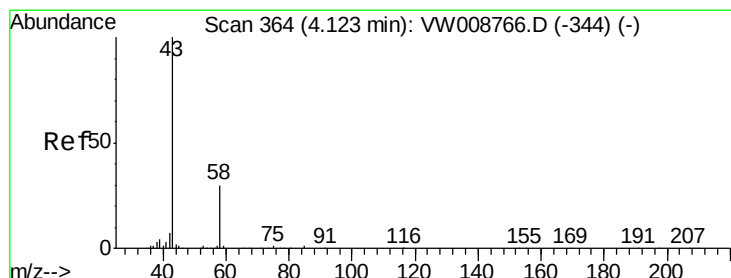
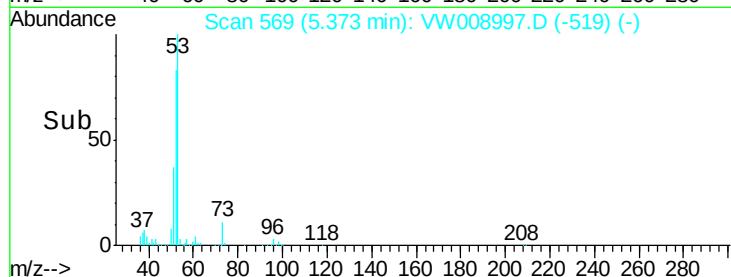
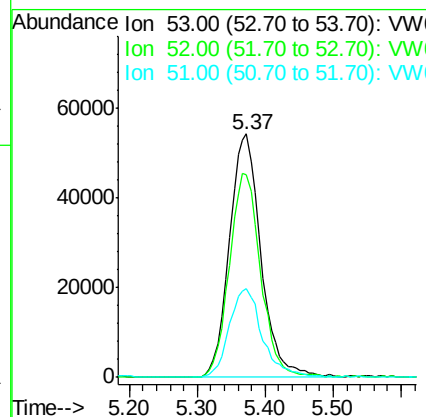
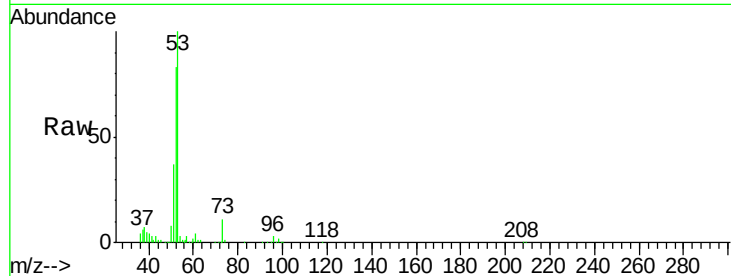
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	53	Resp:	174867
Ion Ratio	Lower	Upper	
53	100		
52	82.6	67.2	100.8
51	38.3	31.1	46.7

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#16

Acetone

Concen: 424.454 ug/l

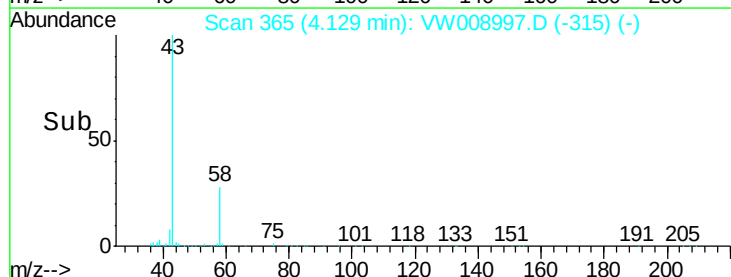
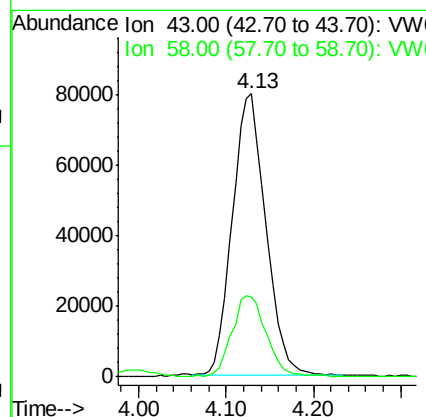
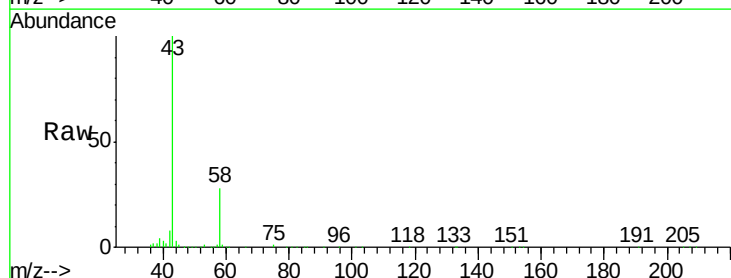
RT: 4.13 min Scan# 365

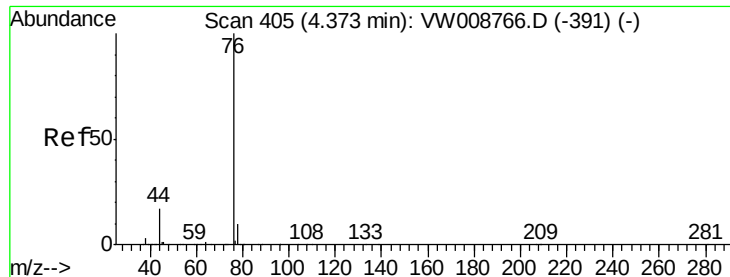
Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	43	Resp:	212500
Ion Ratio	Lower	Upper	
43	100		
58	28.2	23.8	35.6





#17

Carbon Disulfide

Concen: 51.365 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion: 76 Resp: 343624

Ion Ratio Lower Upper

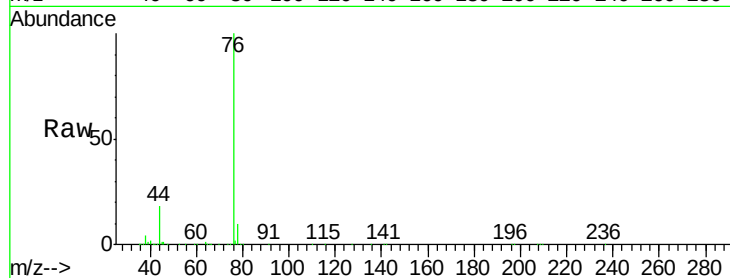
76 100

78 10.1 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

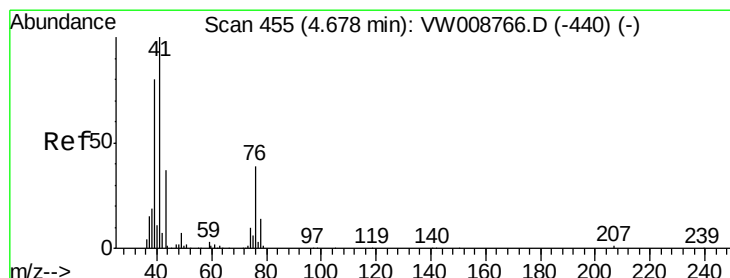
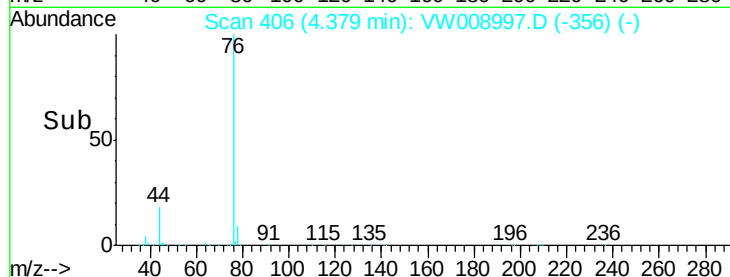
4.38

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 110.819 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008997.D

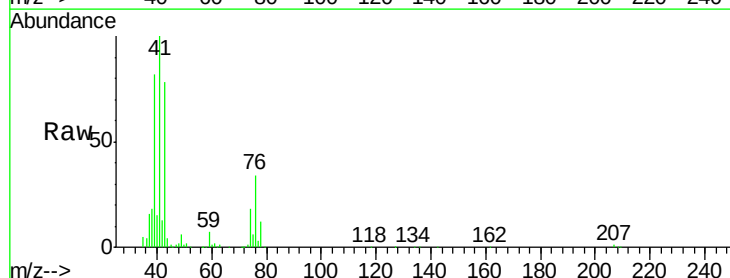
Acq: 05 Mar 2019 15:28

Tgt Ion: 43 Resp: 131595

Ion Ratio Lower Upper

43 100

74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

50000

40000

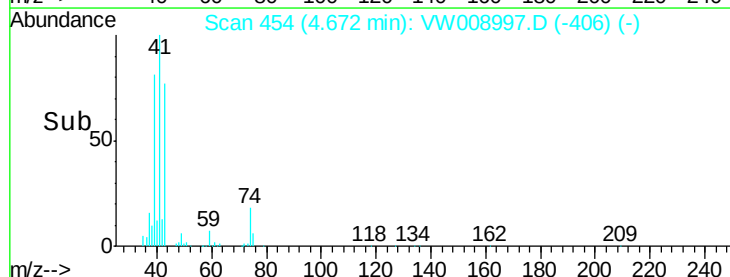
30000

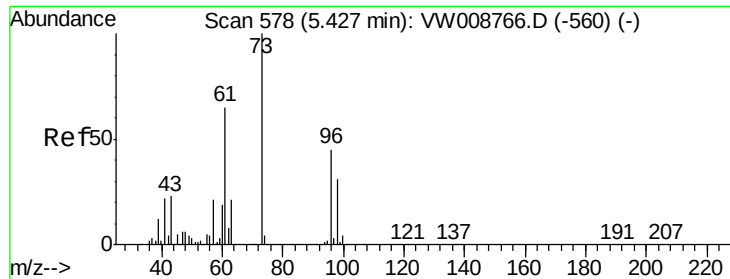
20000

10000

0

Time-->





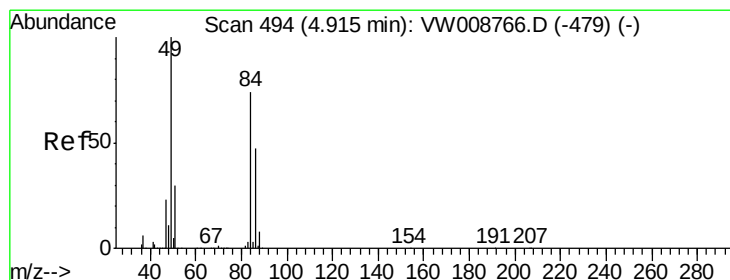
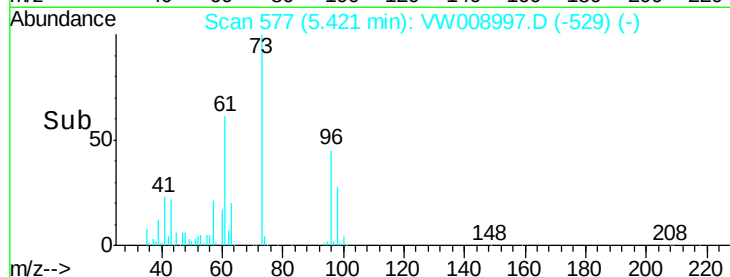
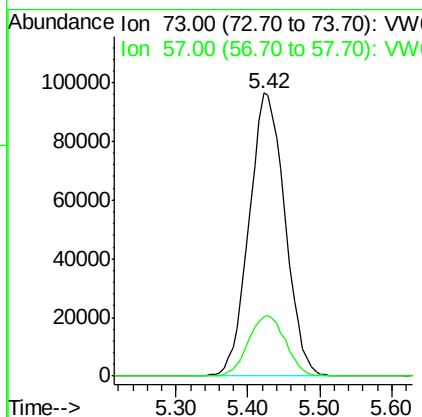
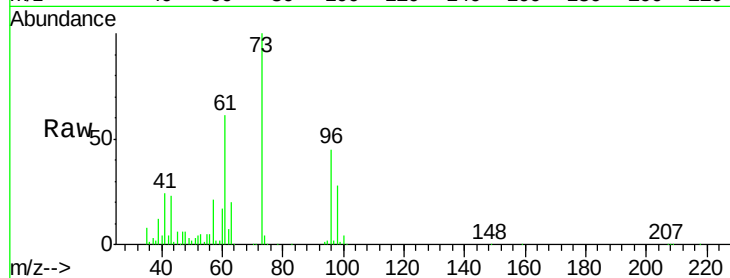
#19
Methyl tert-butyl Ether
Concen: 61.055 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion: 73 Resp: 333209
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

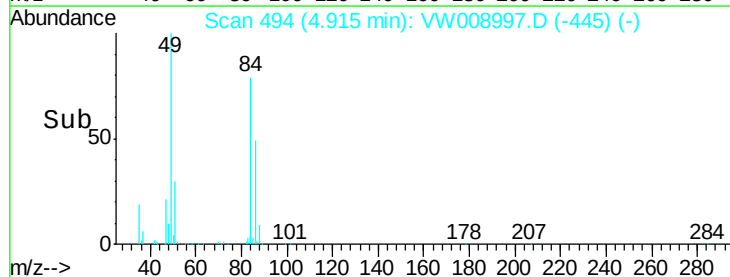
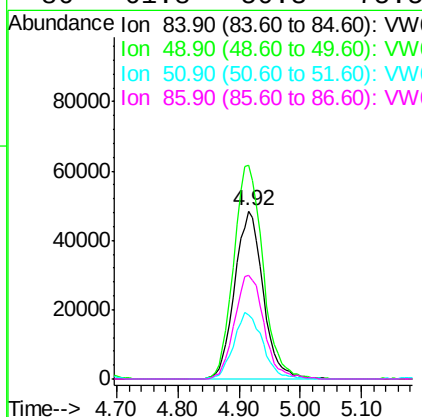
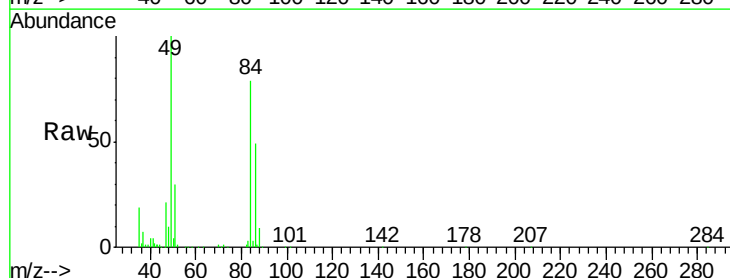
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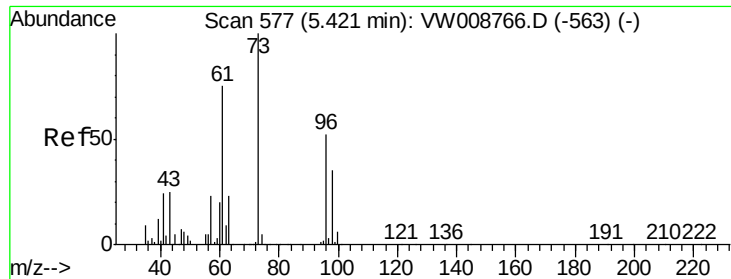
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#20
Methylene Chloride
Concen: 64.381 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion: 84 Resp: 155154
Ion Ratio Lower Upper
84 100
49 127.3 108.2 162.2
51 37.9 32.7 49.1
86 61.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 53.365 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

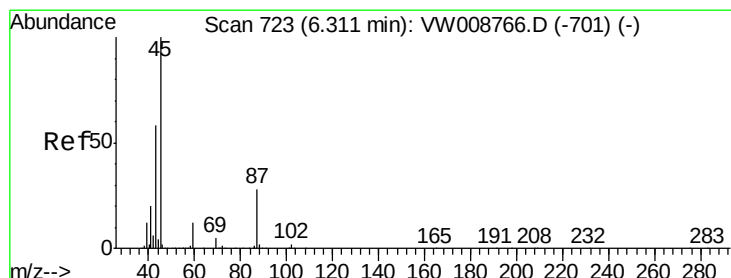
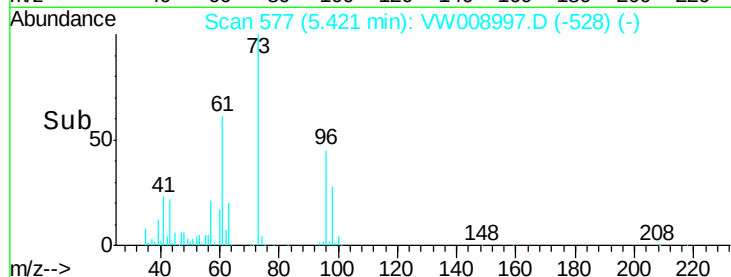
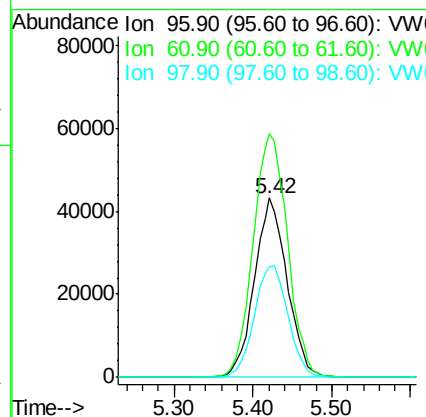
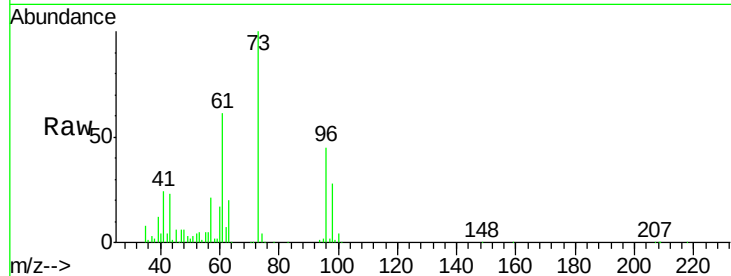
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	96	Resp:	124465
Ion	Ratio	Lower	Upper
96	100		
61	135.6	114.6	171.8
98	61.7	54.0	81.0

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#22

Diisopropyl ether

Concen: 58.682 ug/l

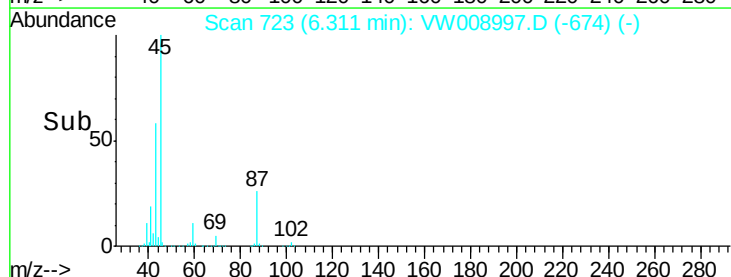
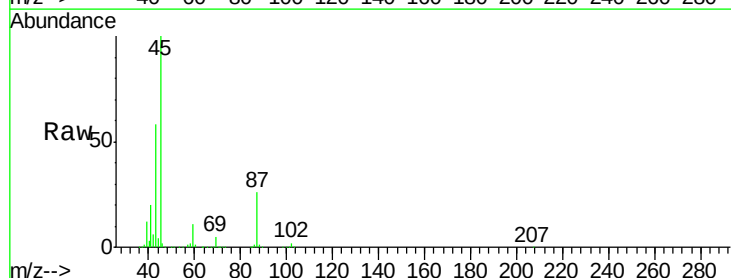
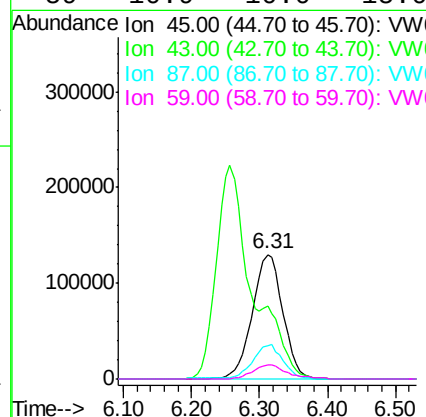
RT: 6.31 min Scan# 723

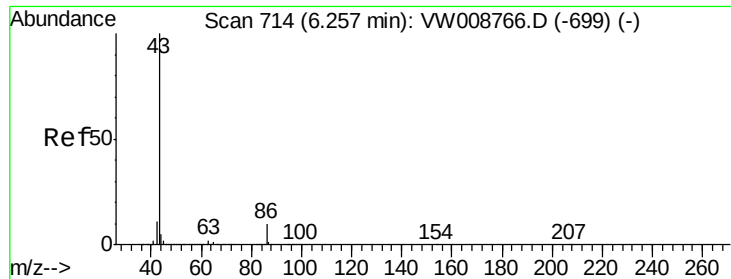
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	45	Resp:	407370
Ion	Ratio	Lower	Upper
45	100		
43	57.8	46.1	69.1
87	26.4	22.2	33.4
59	10.9	10.0	15.0





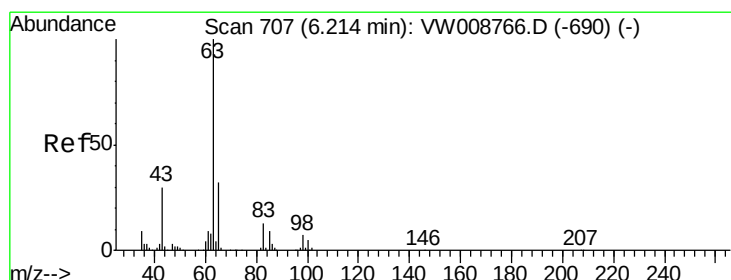
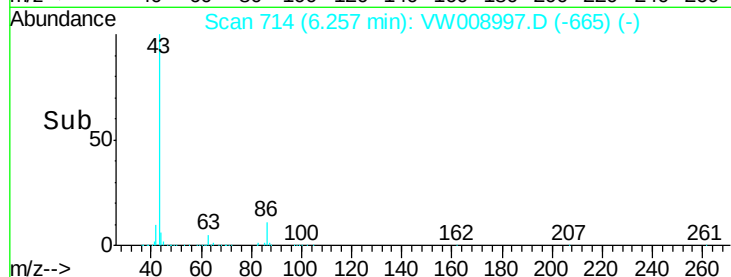
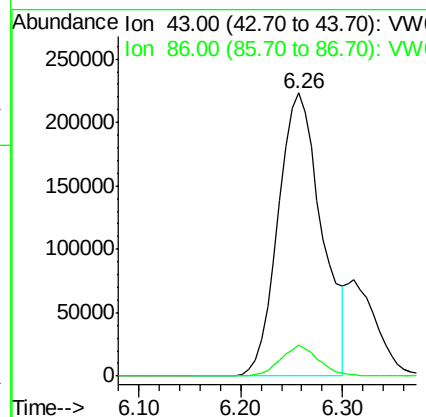
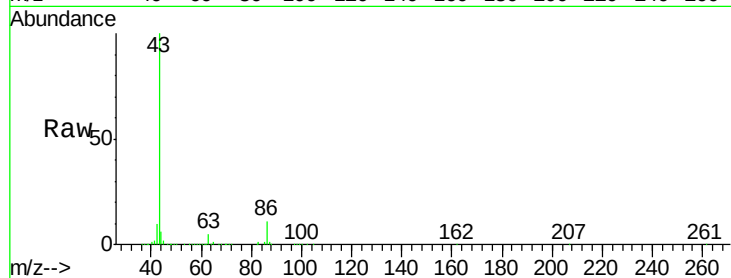
#23
 Vinyl Acetate
 Concen: 154.746 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.1	12.1

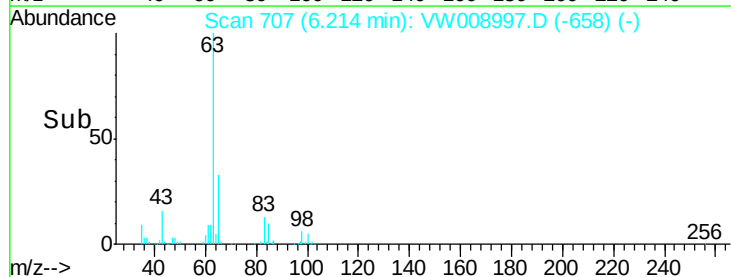
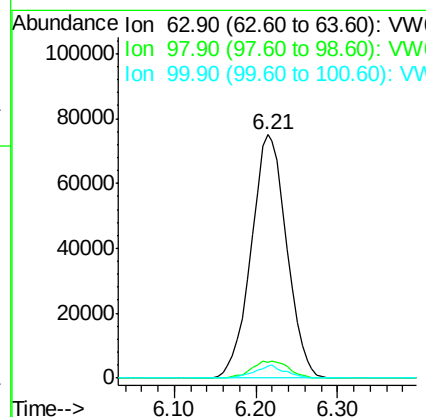
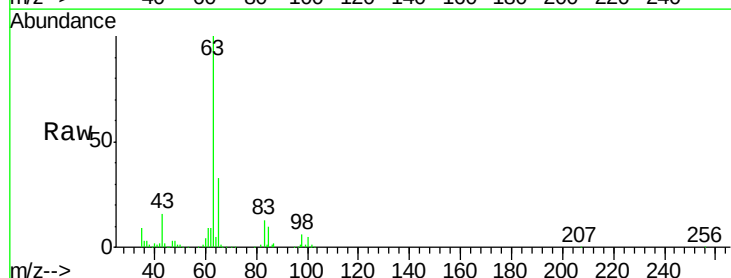
Manual Integrations
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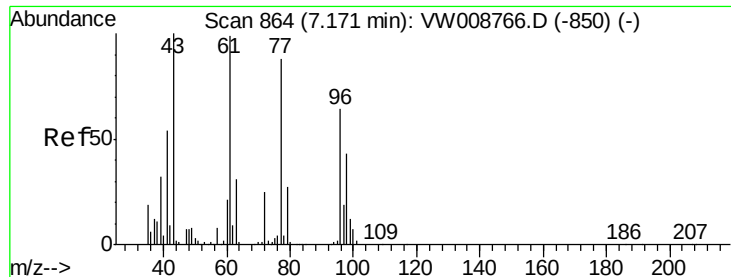
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#24
 1,1-Dichloroethane
 Concen: 56.461 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.6
100	5.1	2.4	7.2





#25

2-Butanone

Concen: 368.167 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion: 43 Resp: 257692

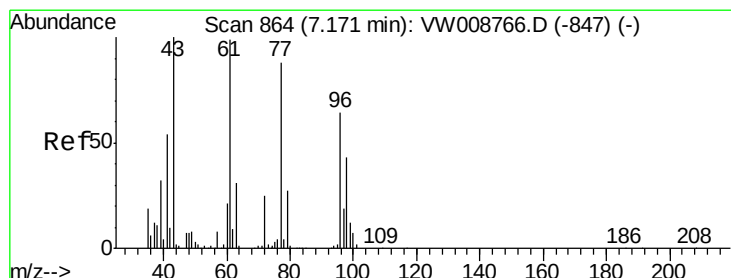
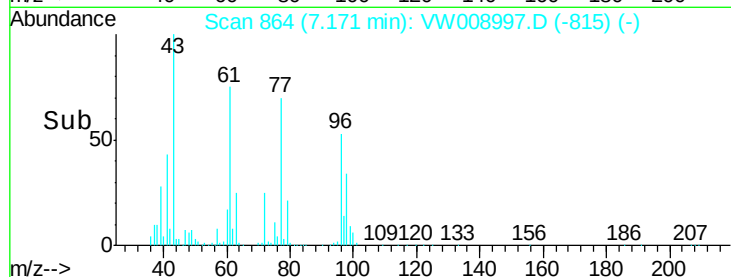
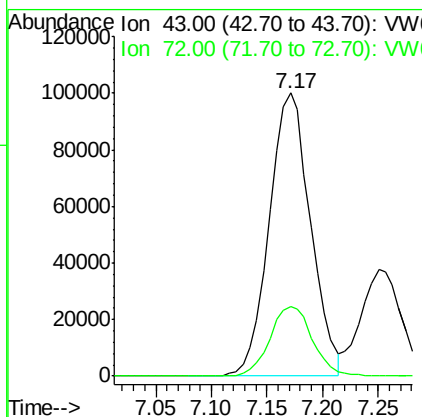
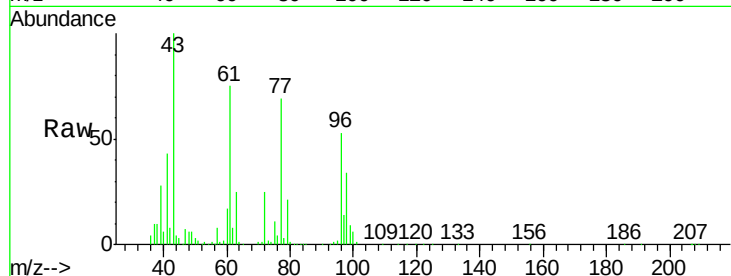
Ion Ratio Lower Upper

43 100

72 24.6 19.7 29.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 55.692 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008997.D

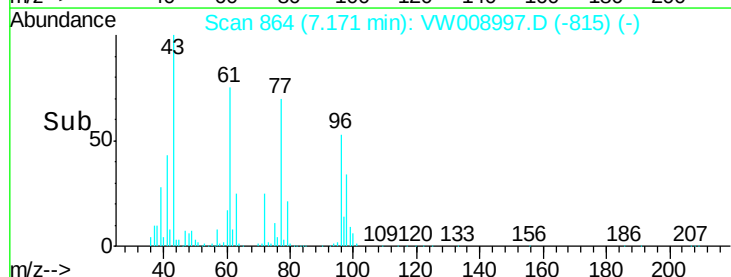
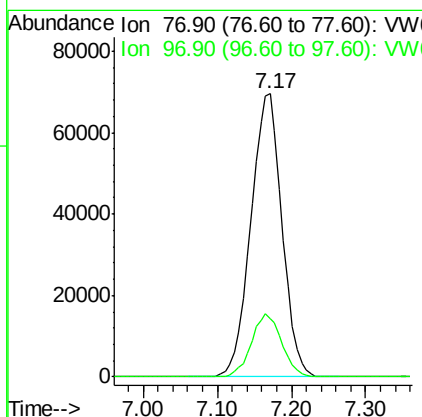
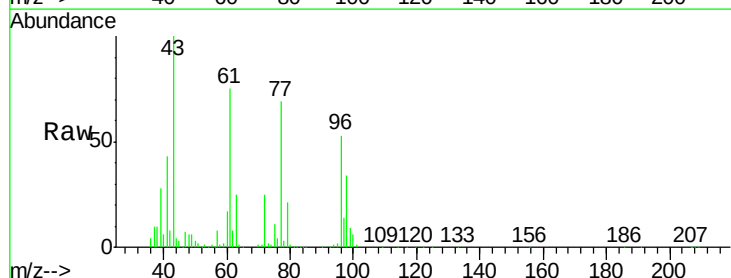
Acq: 05 Mar 2019 15:28

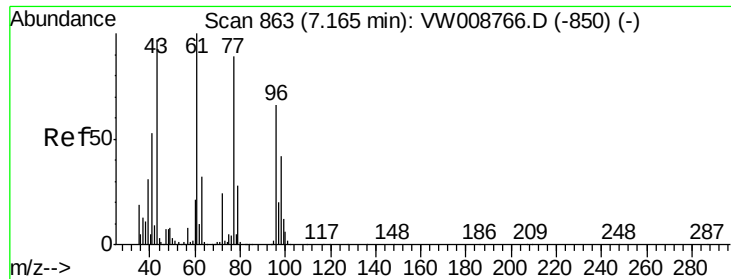
Tgt Ion: 77 Resp: 203393

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0





#27

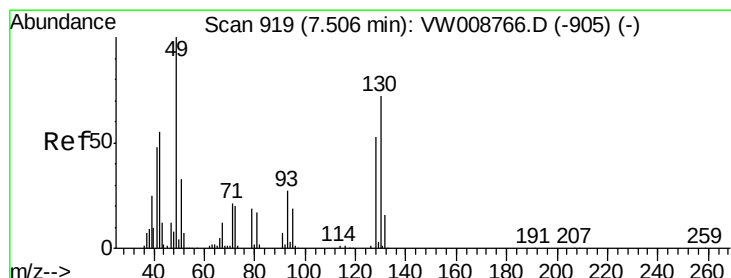
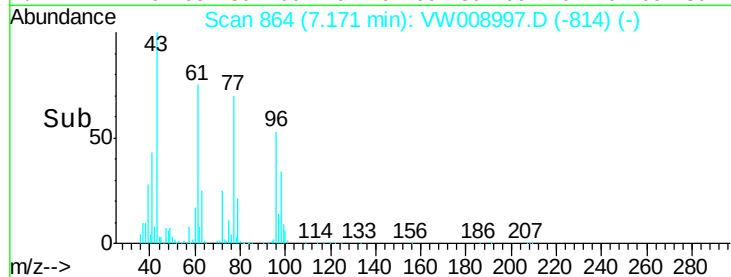
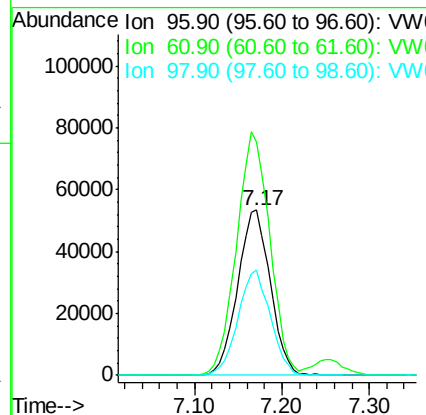
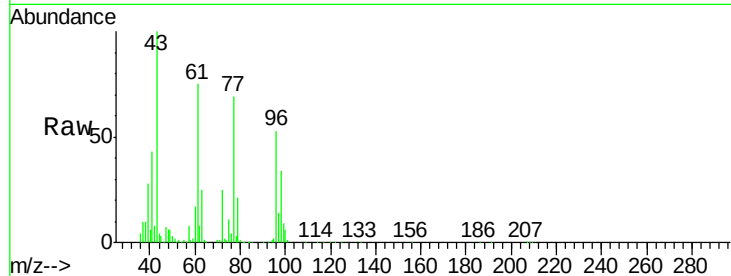
cis-1,2-Dichloroethene
Concen: 55.645 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	138828		
61	149.3	0.0	302.6	
98	63.4	0.0	130.0	

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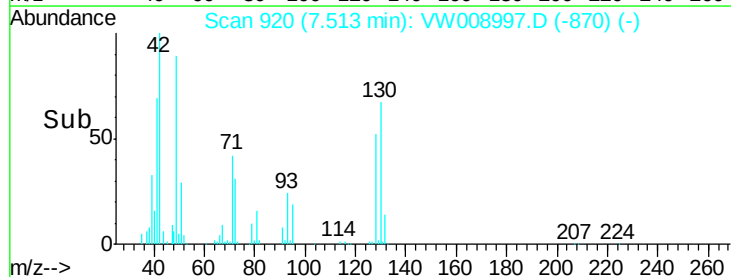
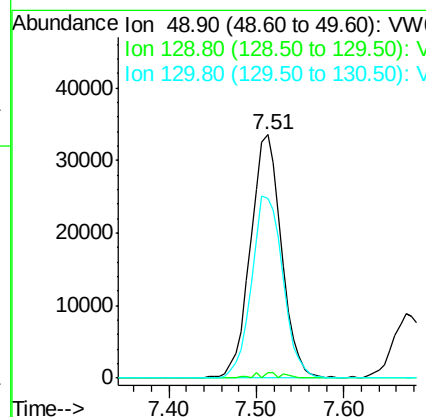
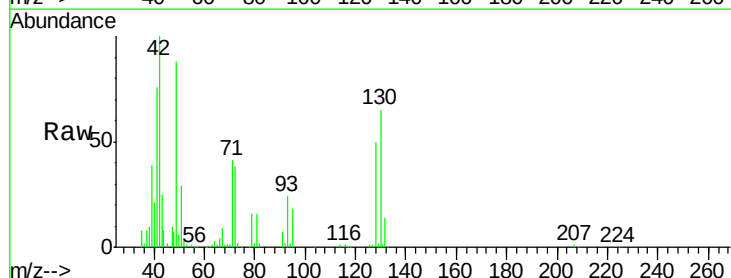
MMDadoda
3/6/2019 3:22:07 PM

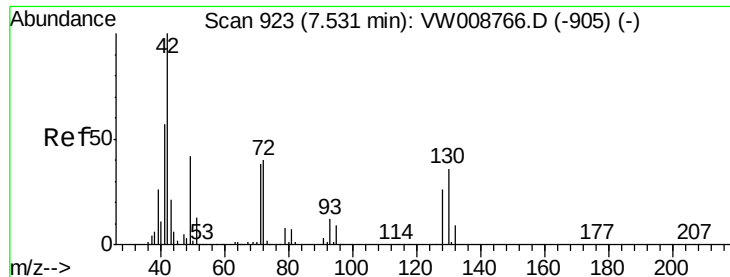


#28

Bromochloromethane
Concen: 49.044 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82559		
129	1.2	0.0	2.6	
130	75.9	61.3	91.9	





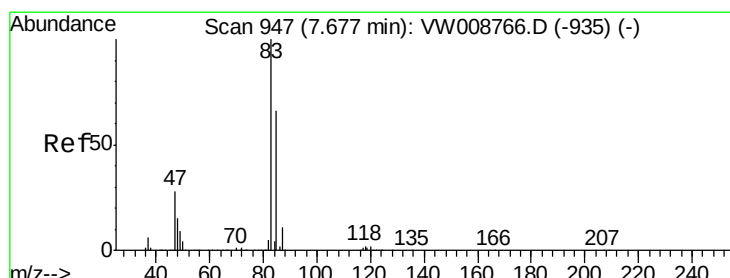
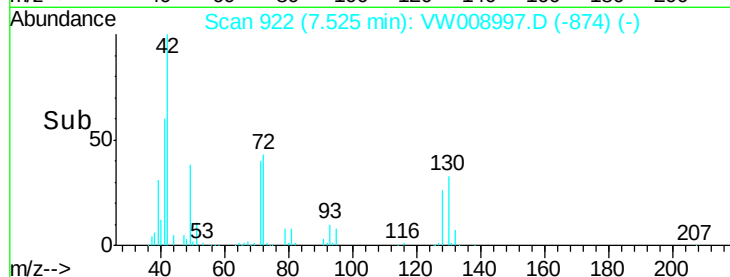
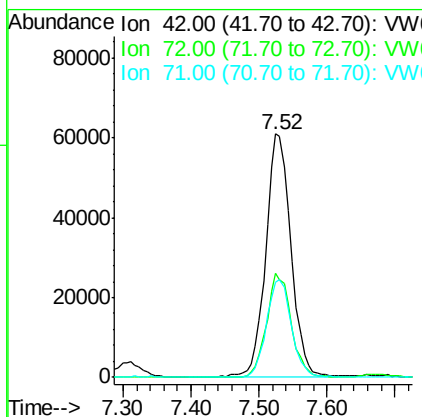
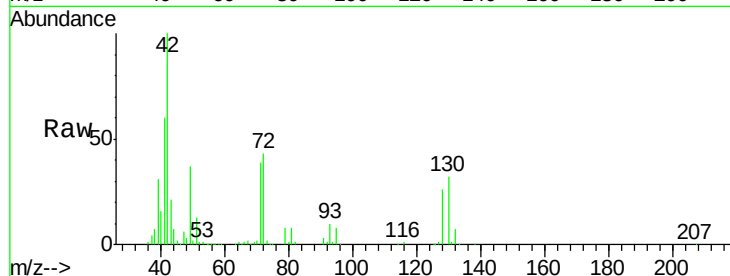
#29
Tetrahydrofuran
Concen: 353.669 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.7	49.1
71	39.9	31.3	46.9

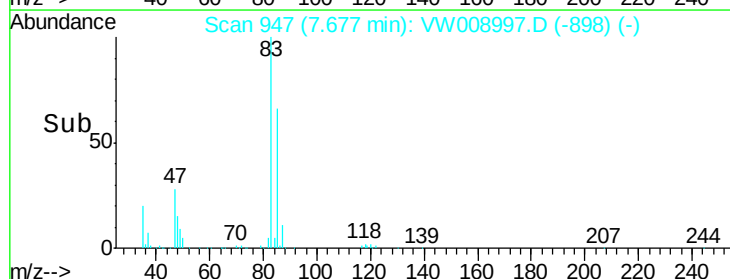
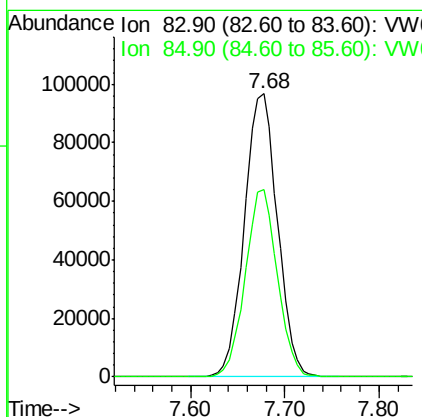
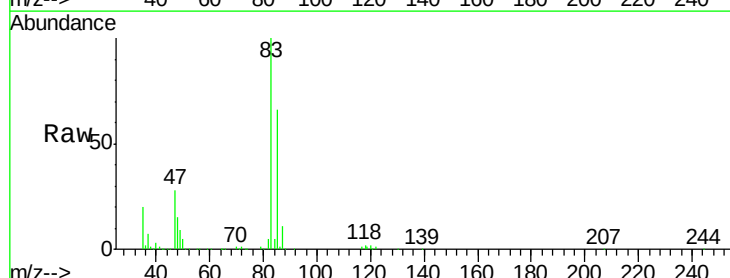
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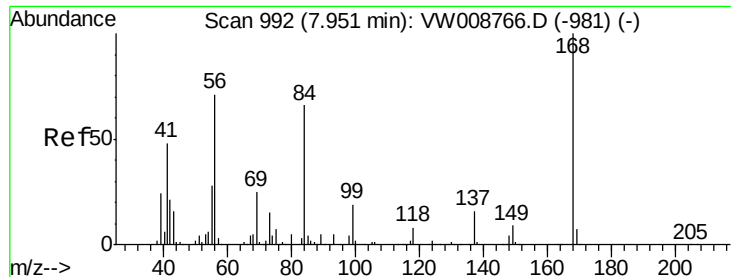
MMDadoda
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#30
Chloroform
Concen: 57.703 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	79.0





#31

Cyclohexane

Concen: 48.138 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008997.D

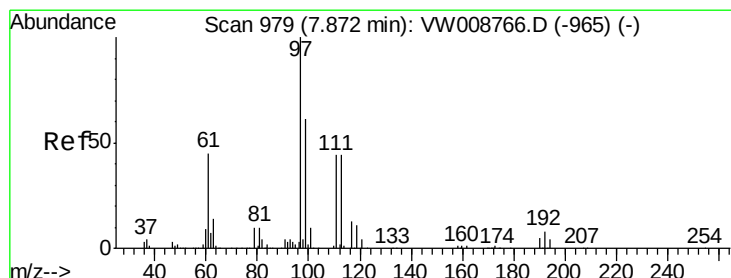
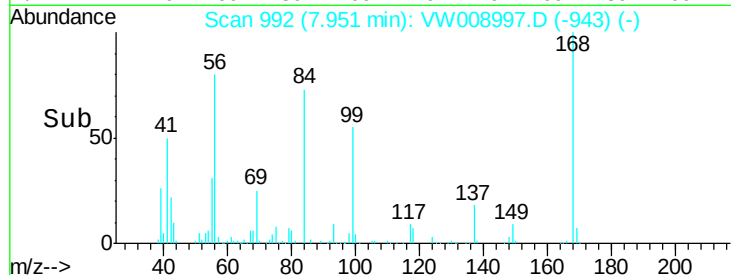
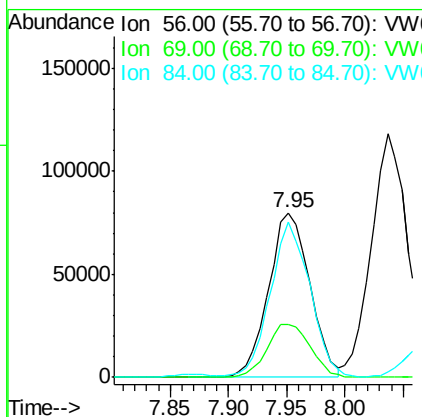
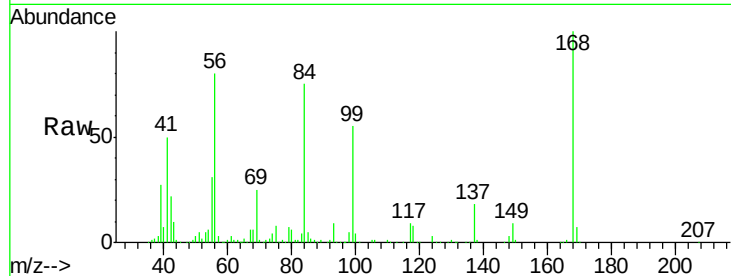
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	56	Resp	196015
Ion	Ratio	Lower	Upper
56	100		
69	31.8	28.2	42.4
84	92.6	74.1	111.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.933 ug/l

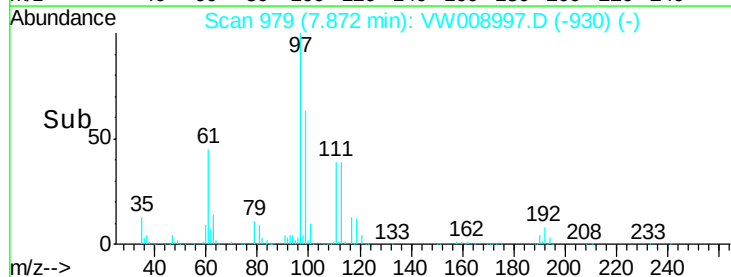
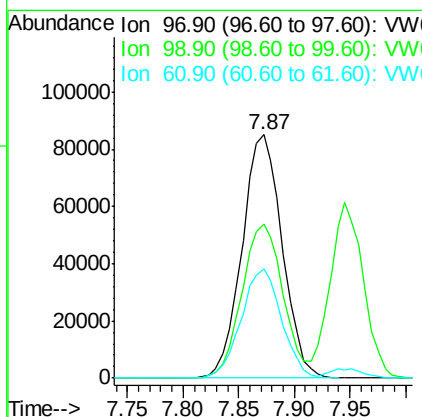
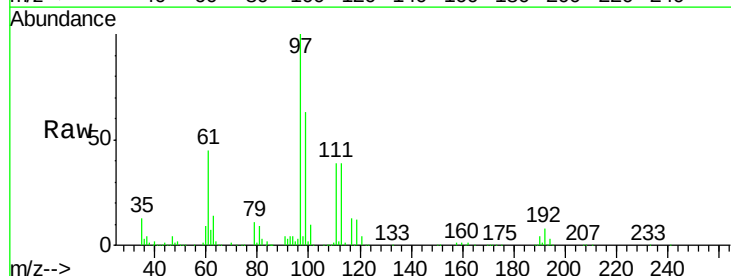
RT: 7.87 min Scan# 979

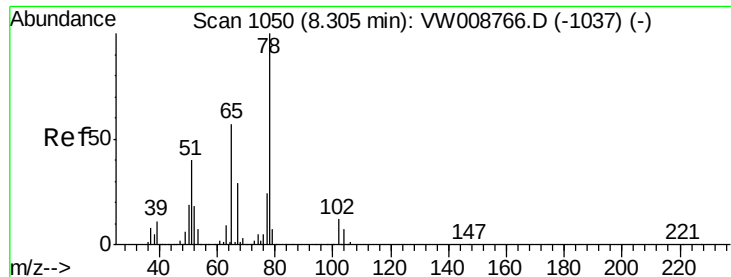
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion	97	Resp	213665
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	45.0	36.0	54.0





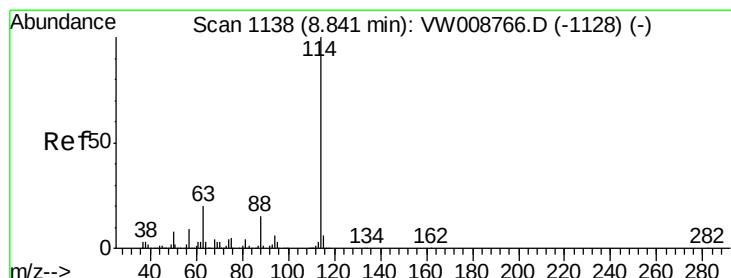
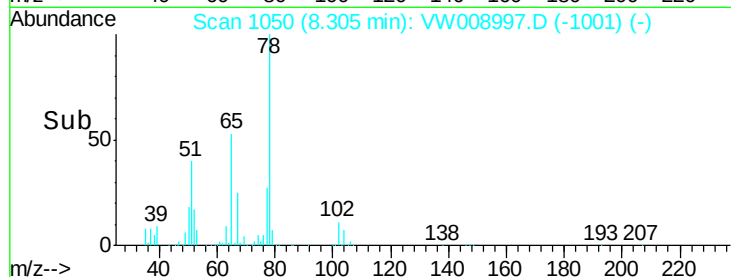
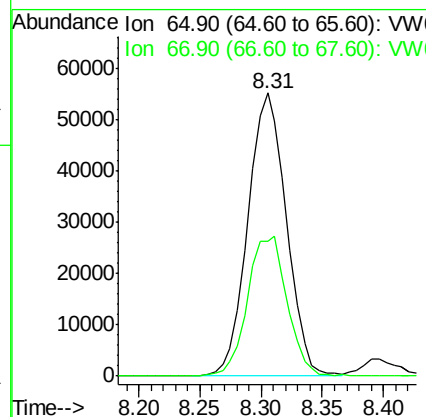
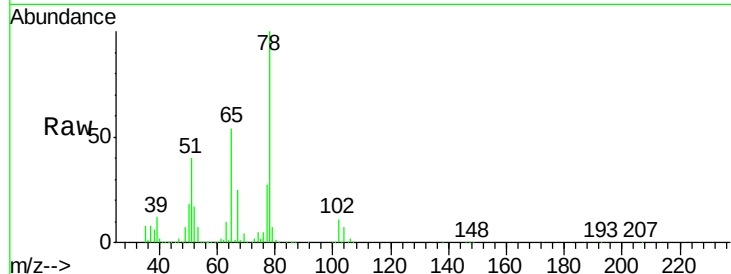
#33
 1,2-Dichloroethane-d4
 Concen: 56.097 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121164		
67	50.7	0.0	101.4	

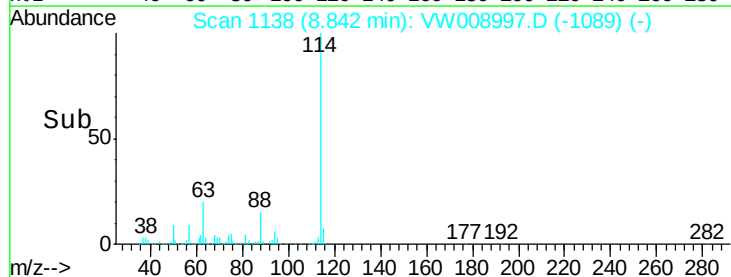
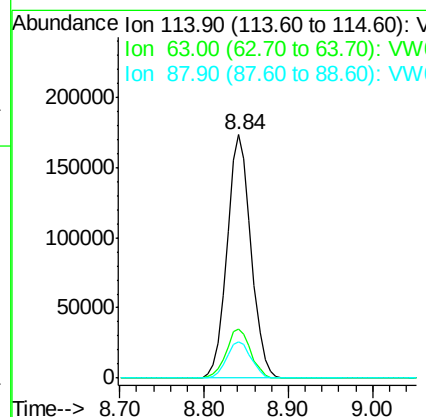
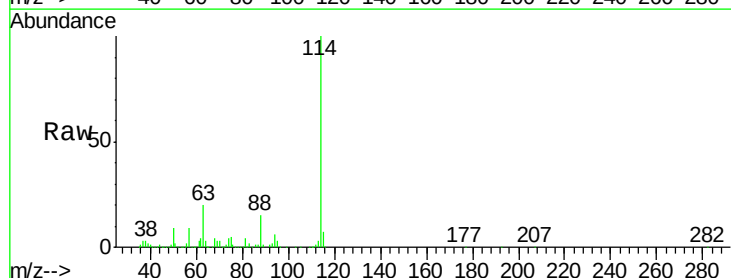
Manual Integrations
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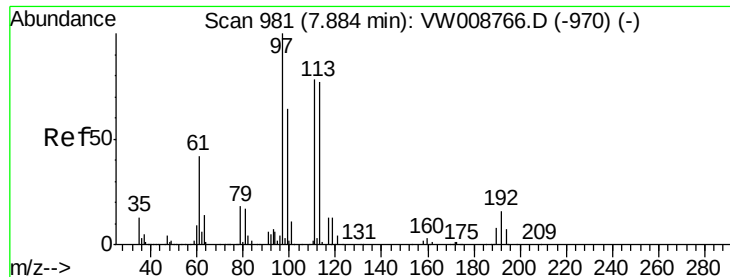
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	336395		
63	20.1	0.0	40.8	
88	14.8	0.0	30.4	





#35

Dibromofluoromethane

Concen: 51.753 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

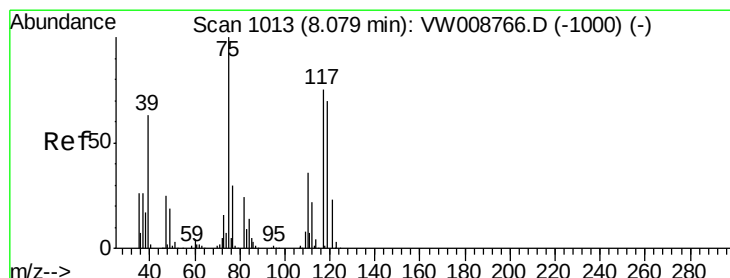
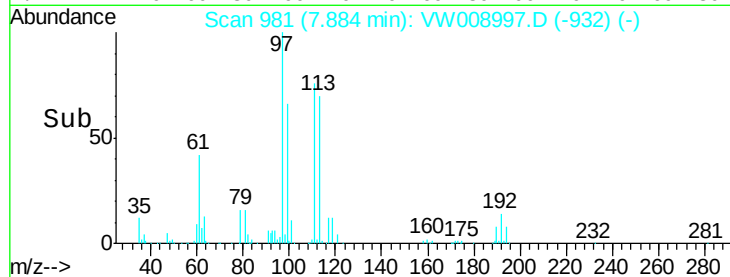
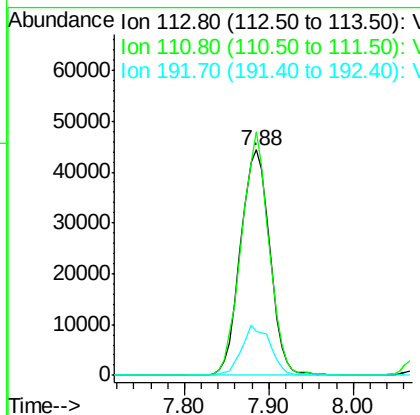
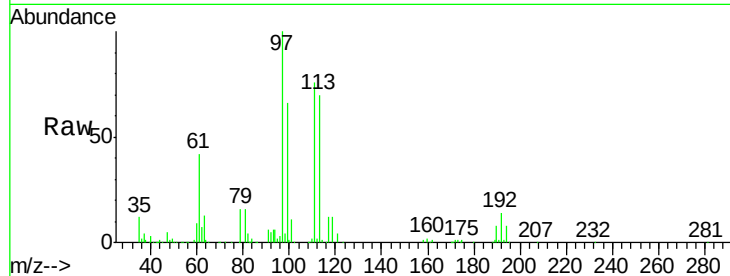
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	113	Resp:	104528
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.9	122.9
192	21.5	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 54.162 ug/l

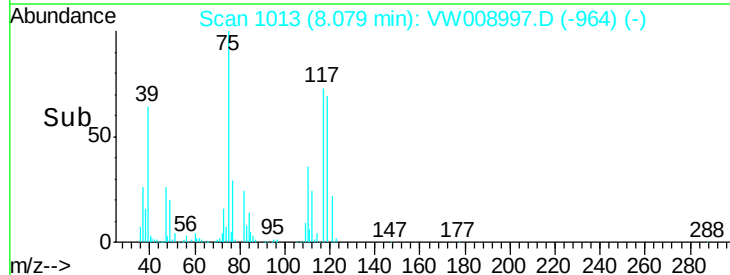
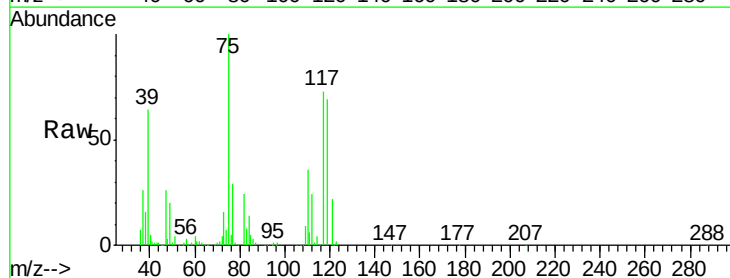
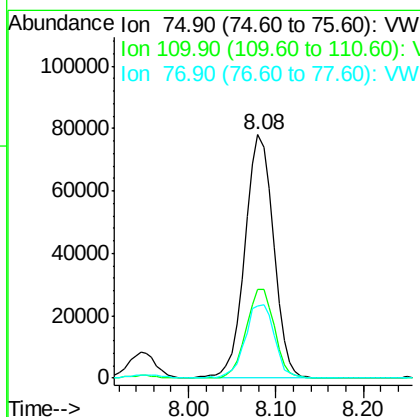
RT: 8.08 min Scan# 1013

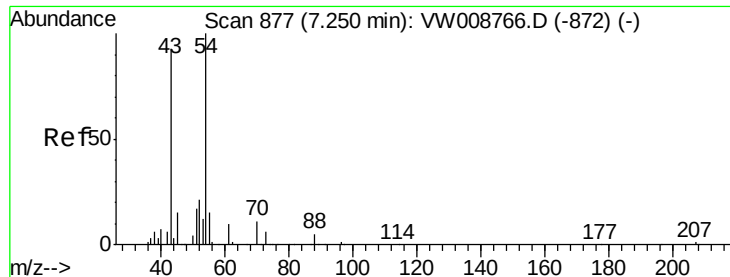
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	75	Resp:	177357
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.5	52.6
77	31.2	24.5	36.7





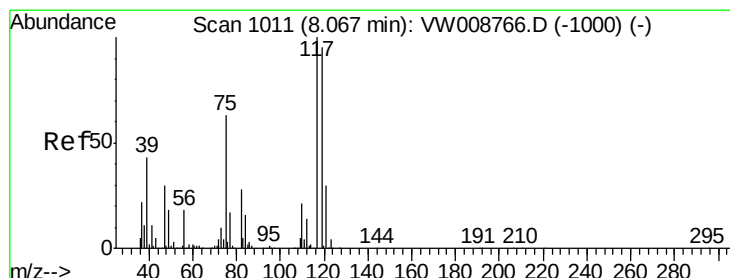
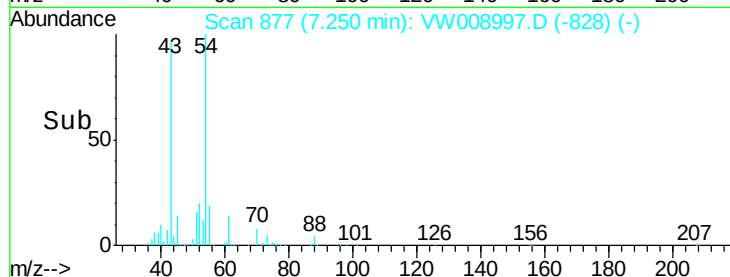
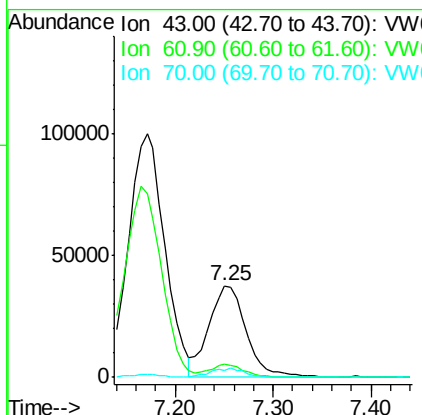
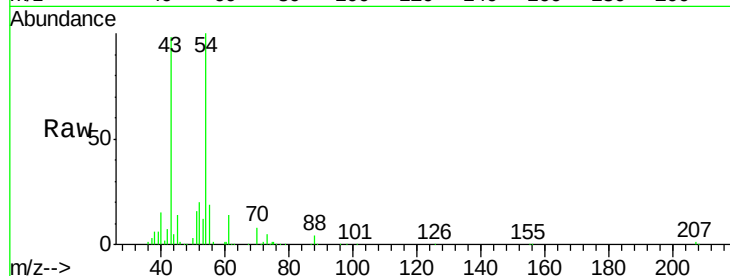
#37
Ethyl Acetate
Concen: 65.316 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	9.0	8.4	12.6

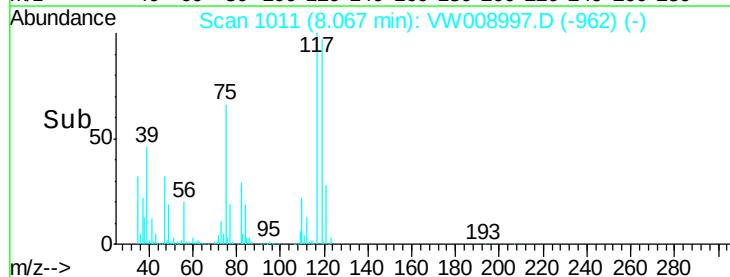
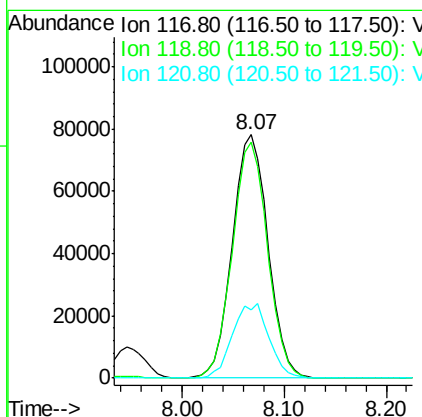
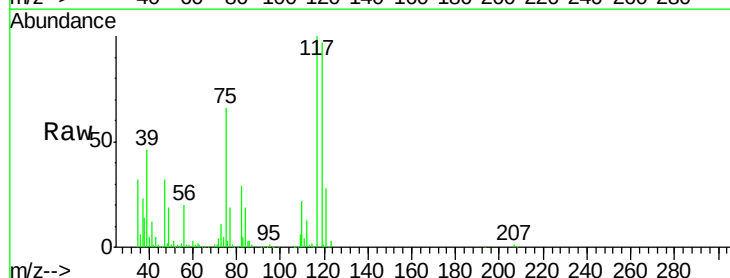
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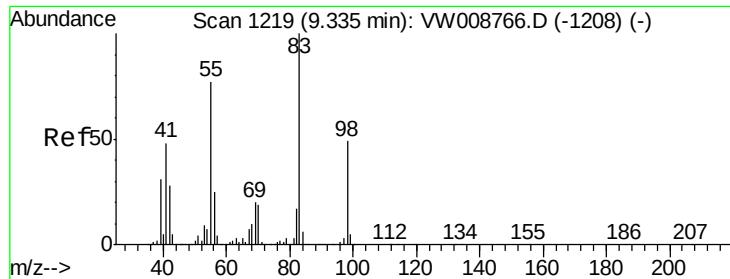
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#38
Carbon Tetrachloride
Concen: 54.948 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.1	114.1
121	27.9	24.0	36.0





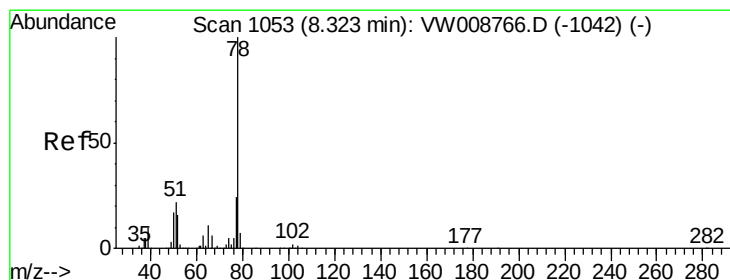
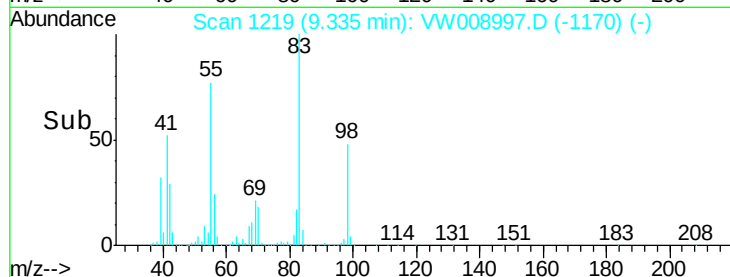
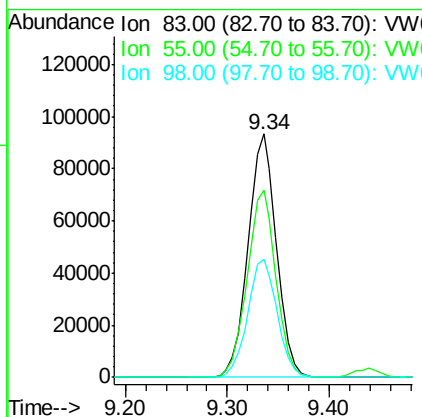
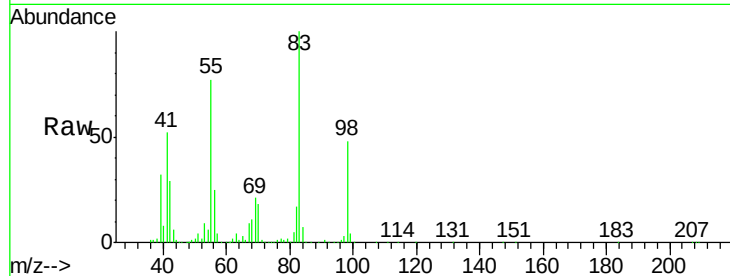
#39
Methylvlcyclohexane
Concen: 44.412 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.2	91.8
98	48.3	39.4	59.2

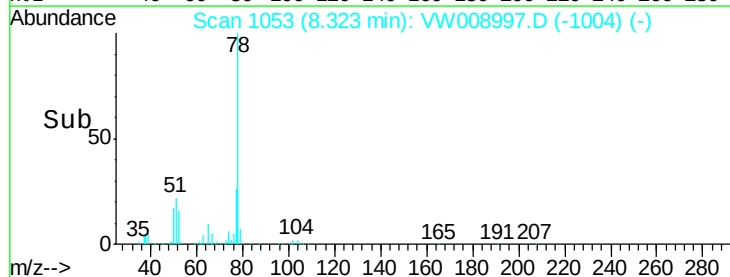
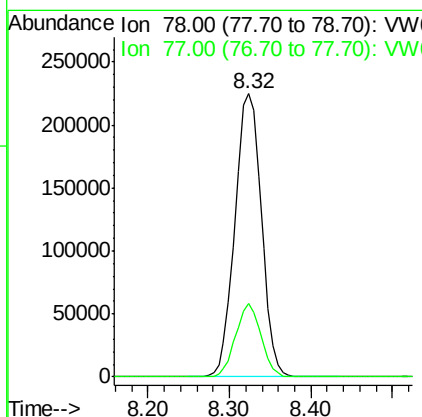
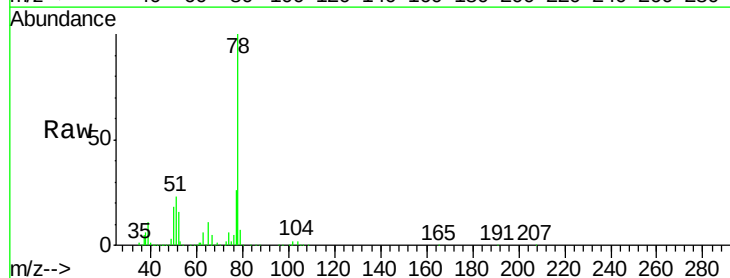
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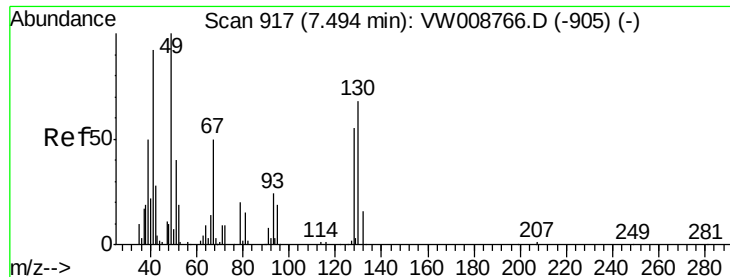
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#40
Benzene
Concen: 56.288 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.3	28.9





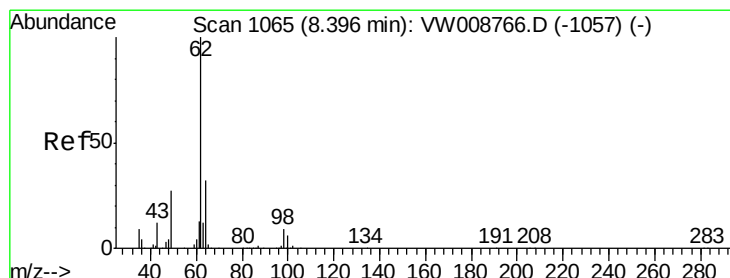
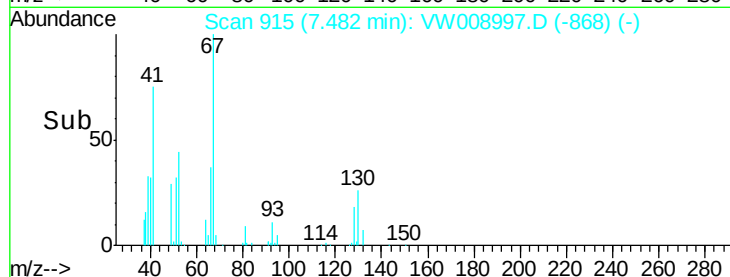
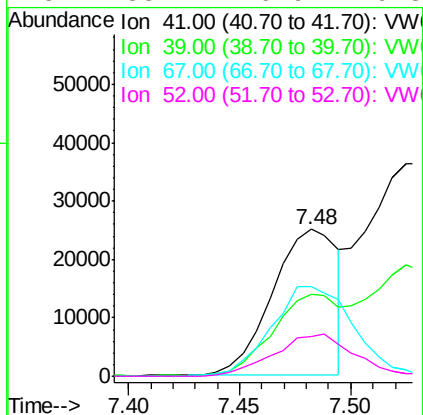
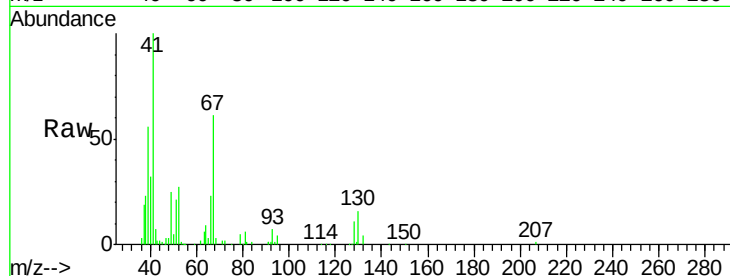
#41
Methacrylonitrile
Concen: 57.391 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	41	Resp	51370
Ion	Ratio	Lower	Upper
41	100		
39	56.3	52.5	78.7
67	77.8	55.0	82.6
52	35.1	26.9	40.3

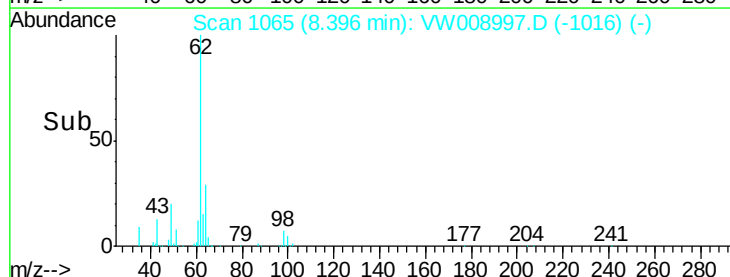
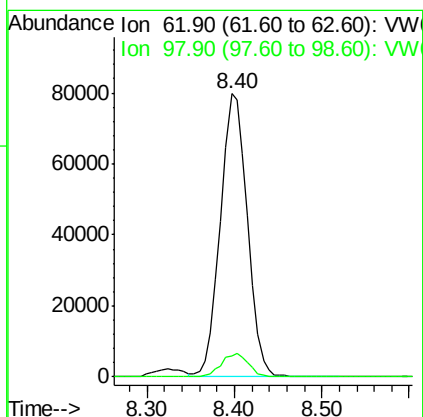
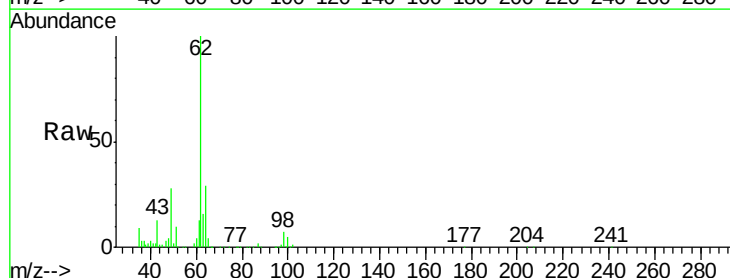
Manual Integrations
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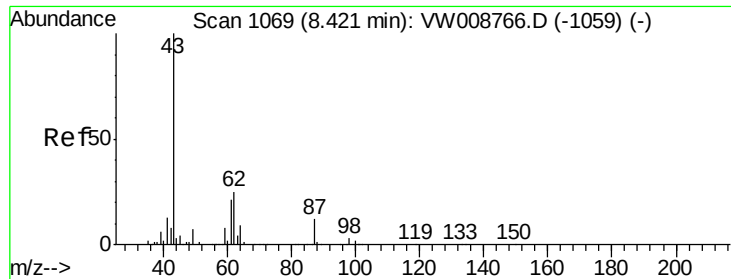
MMDadoda
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#42
1,2-Dichloroethane
Concen: 60.300 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	62	Resp	170783
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2





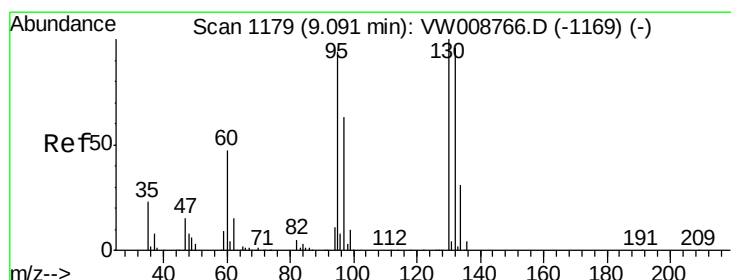
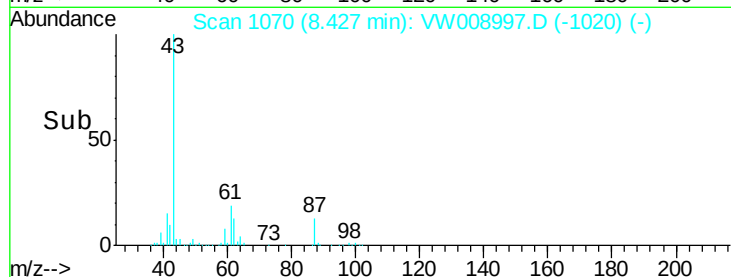
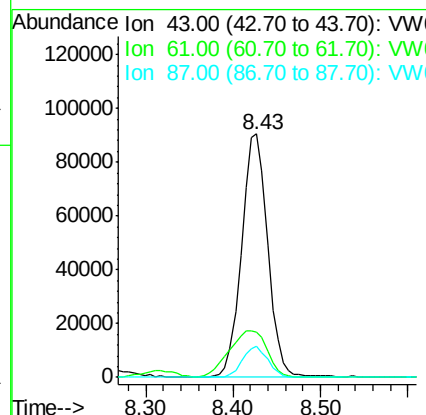
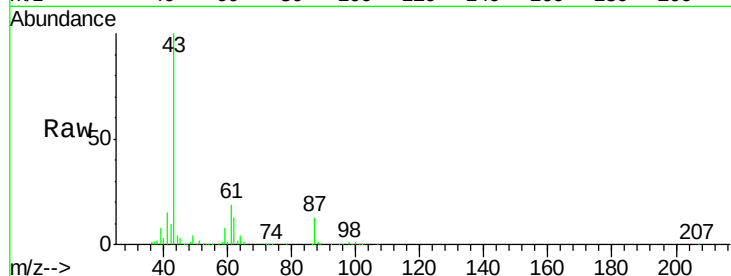
#43
Isopropyl Acetate
Concen: 61.853 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.2	34.8
87	12.4	9.9	14.9

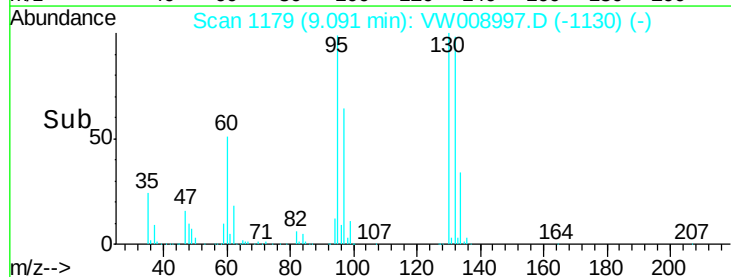
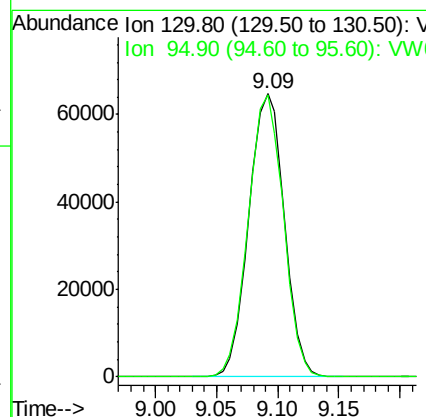
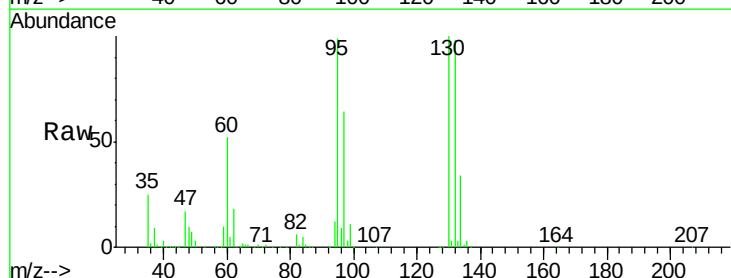
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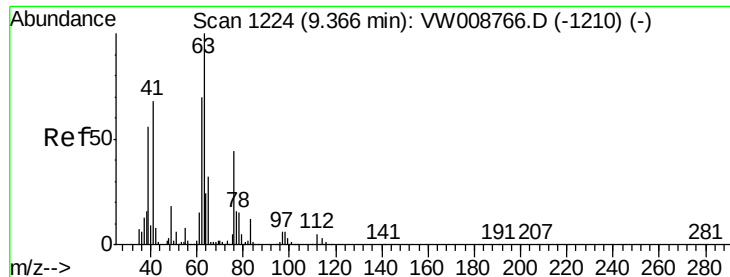
MMDadoda
3/6/2019 3:22:07 PM



#44
Trichloroethene
Concen: 51.946 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	188.6





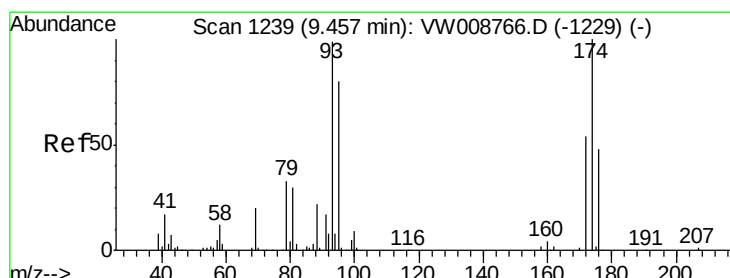
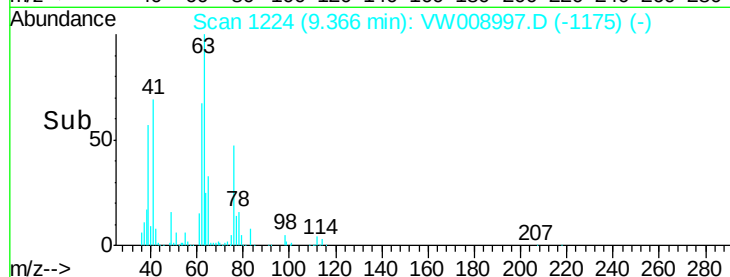
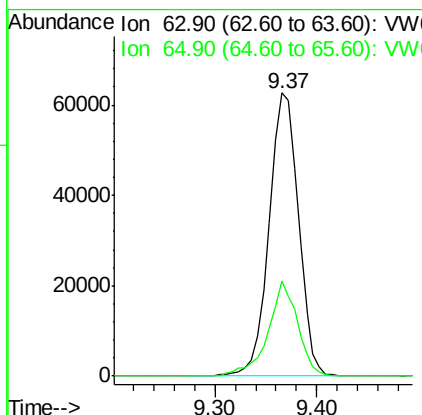
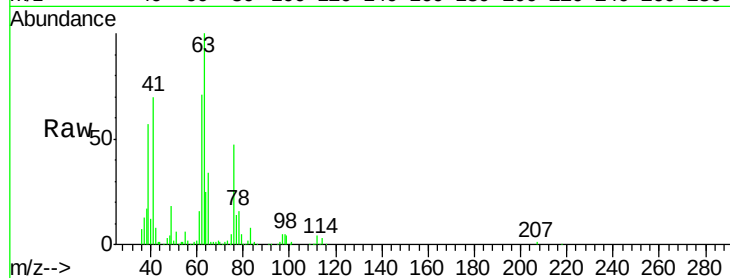
#45
 1,2-Dichloropropane
 Concen: 56.557 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.4	25.5	38.3

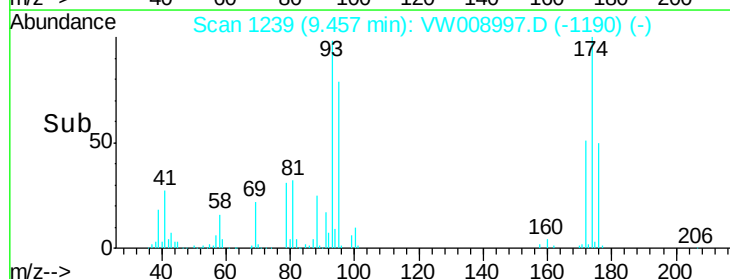
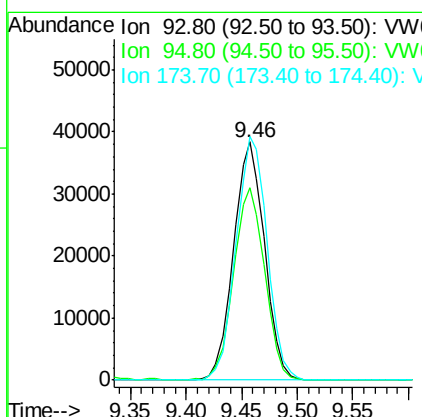
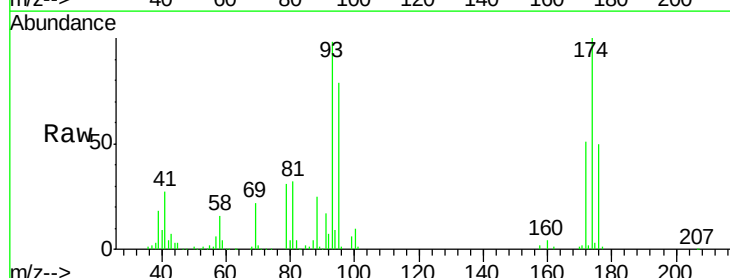
Manual Integrations
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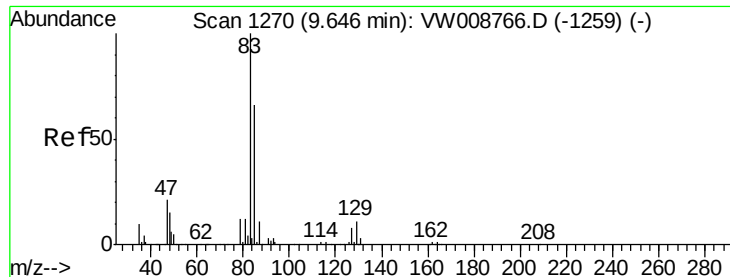
MMDadoda
 3/6/2019 3:22:07 PM



#46
 Dibromomethane
 Concen: 59.976 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	67.7	101.5
174	103.1	86.7	130.1





#47

Bromodichloromethane

Concen: 57.753 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

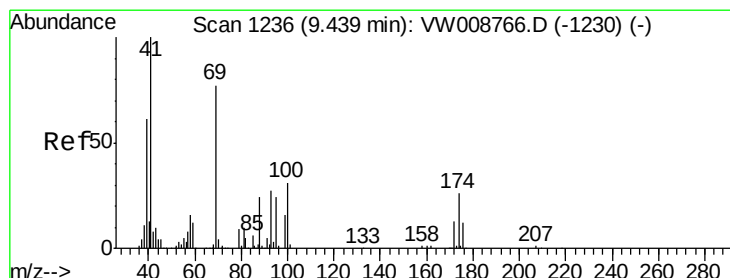
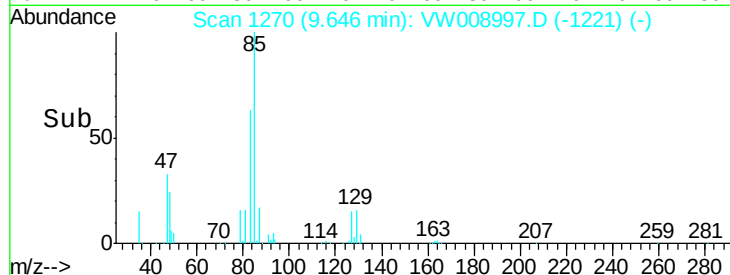
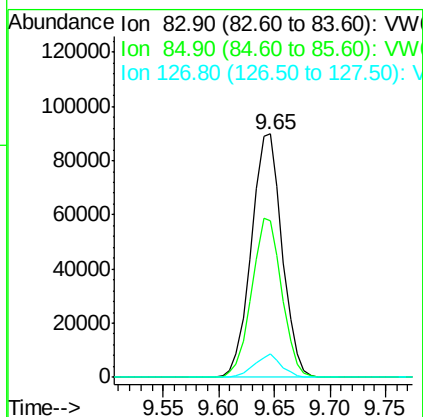
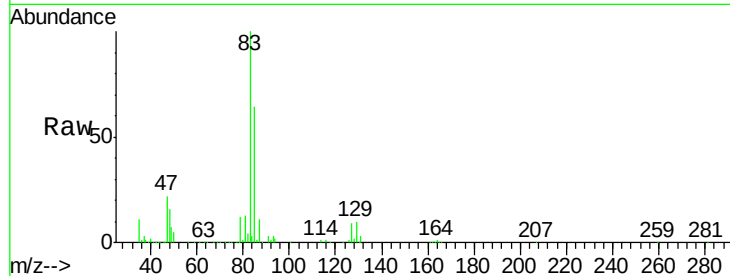
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	83	Resp:	172682
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7
127	9.4	6.7	10.1

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 62.510 ug/l

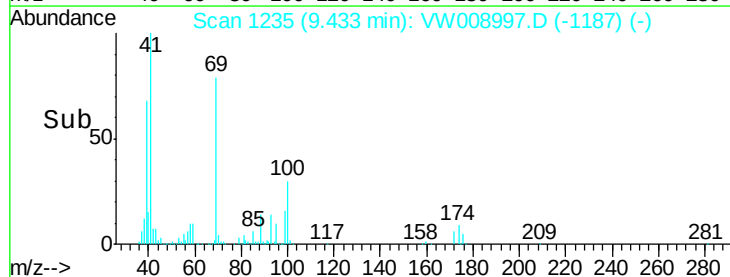
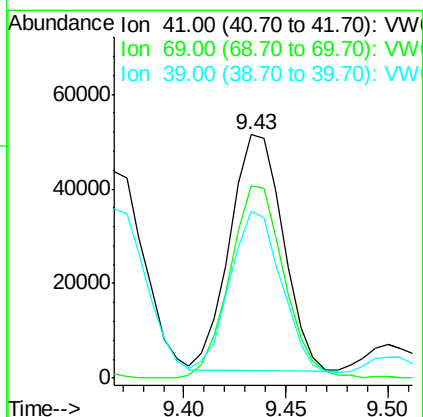
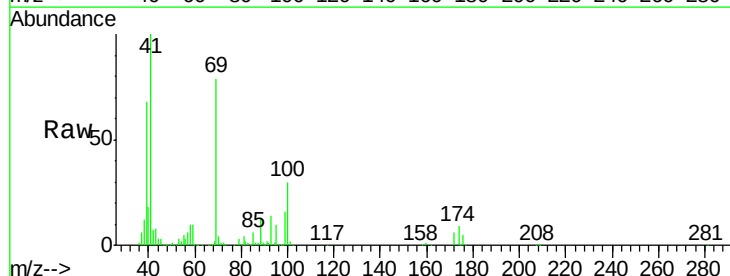
RT: 9.43 min Scan# 1235

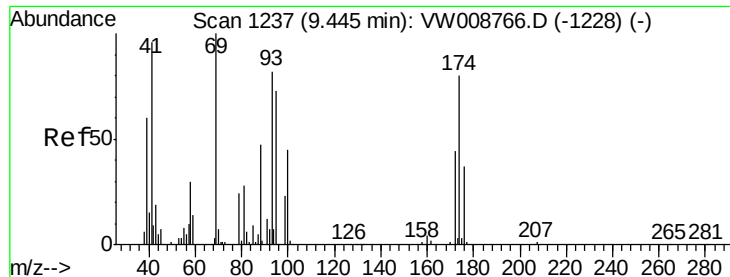
Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	41	Resp:	90987
Ion	Ratio	Lower	Upper
41	100		
69	83.1	63.6	95.4
39	71.0	52.1	78.1





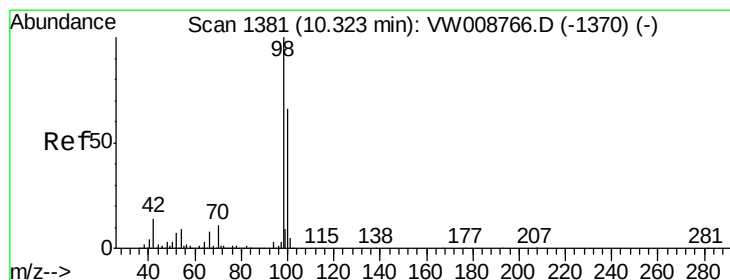
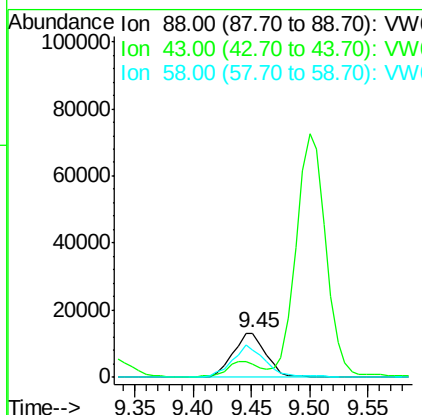
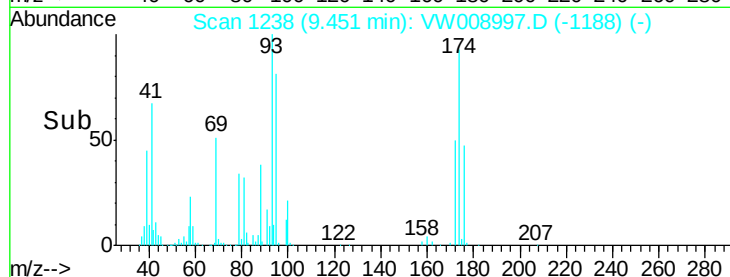
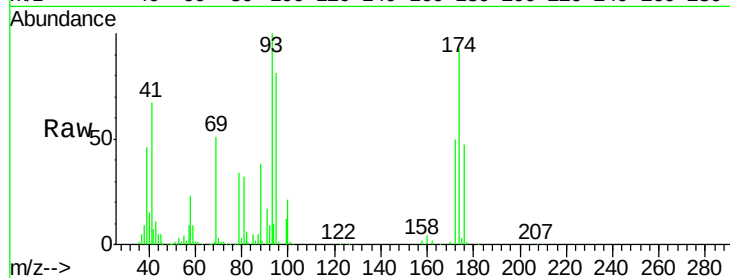
#49
1,4-Dioxane
Concen: 1326.815 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.0	43.4
58	70.9	52.0	78.0

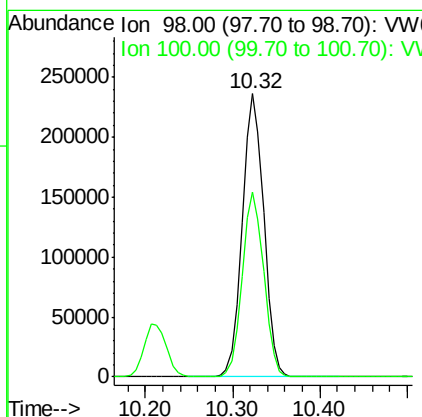
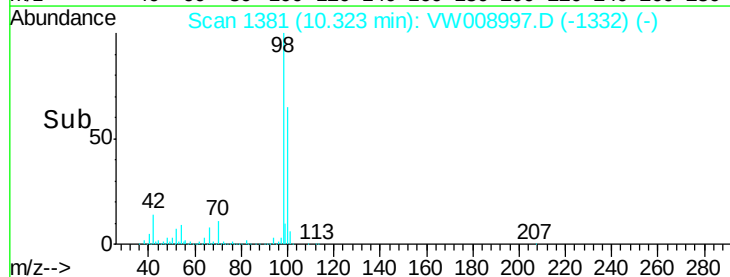
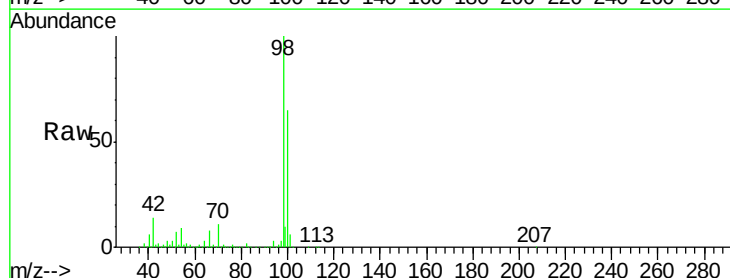
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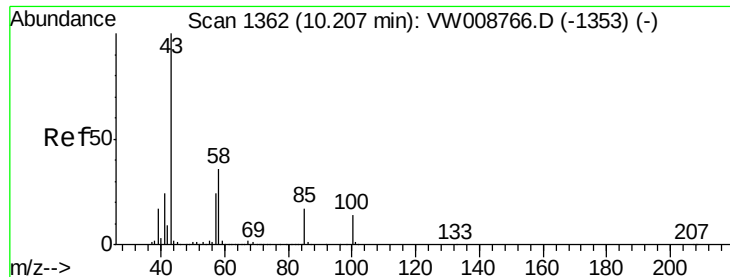
MMDadoda
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#50
Toluene-d8
Concen: 51.669 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





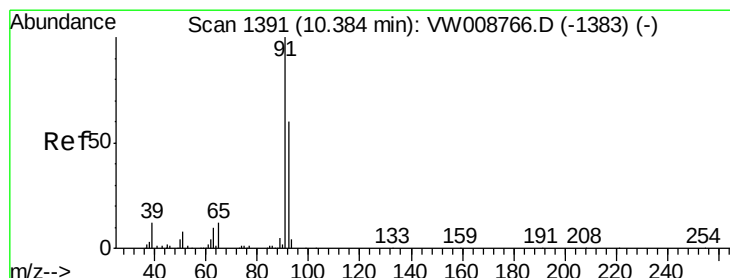
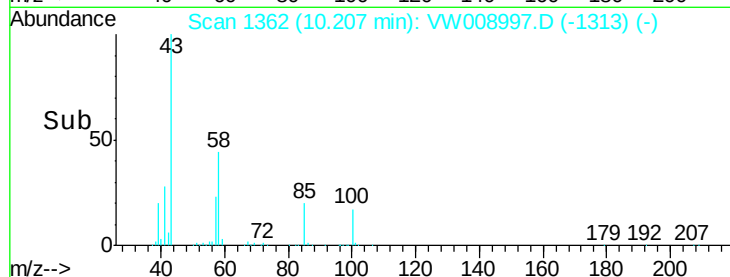
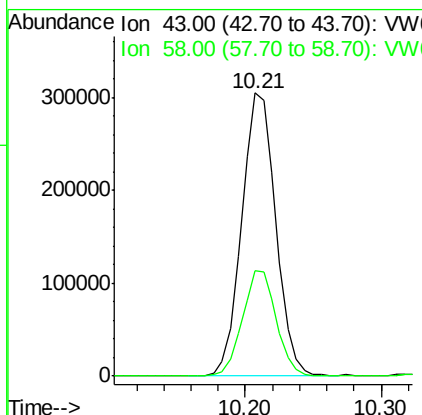
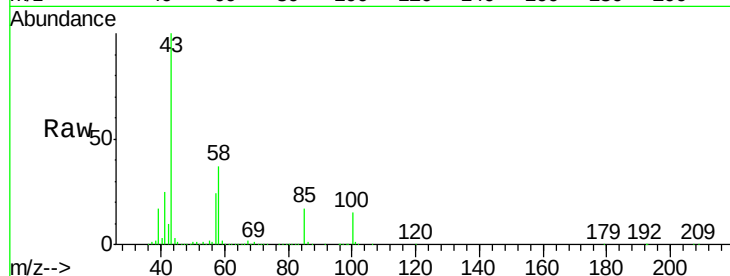
#51
 4-Methyl-2-Pentanone
 Concen: 346.361 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	43	Resp	534422
Ion Ratio	100	Lower	Upper
43	100		
58	37.0	29.1	43.7

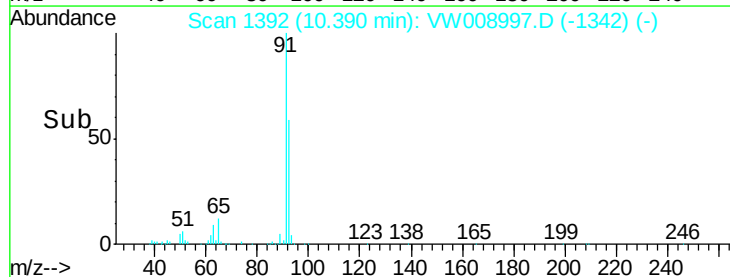
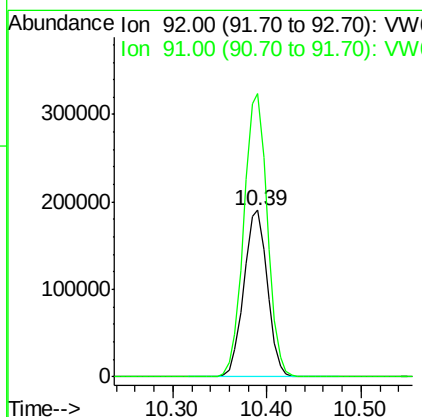
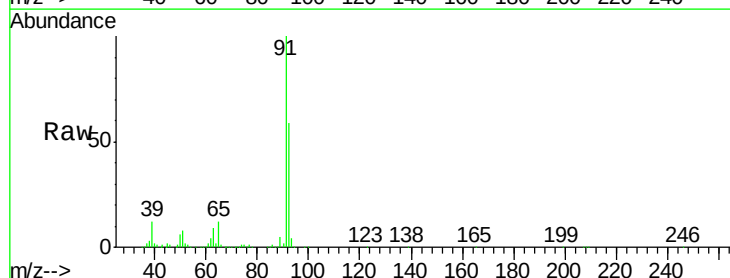
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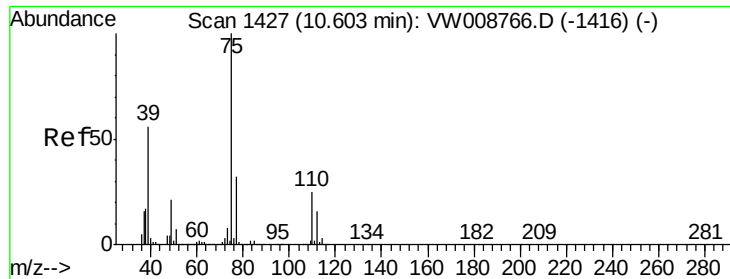
MMDadoda
 3/6/2019 3:22:07 PM



#52
 Toluene
 Concen: 54.925 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	92	Resp	333275
Ion Ratio	100	Lower	Upper
92	100		
91	170.1	136.9	205.3





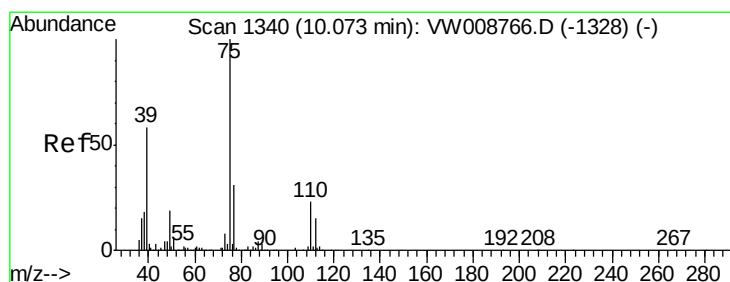
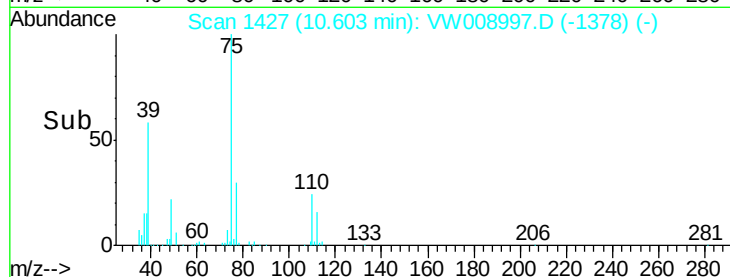
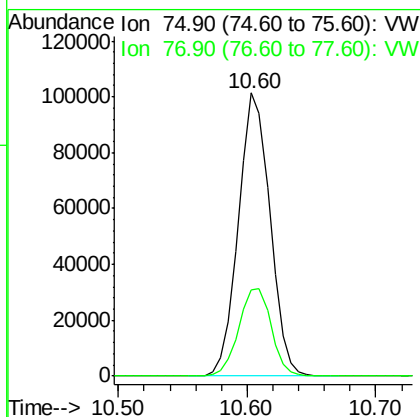
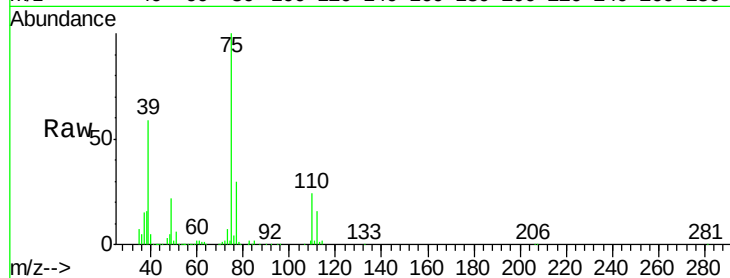
#53
t-1,3-Dichloropropene
Concen: 56.470 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.1	39.1

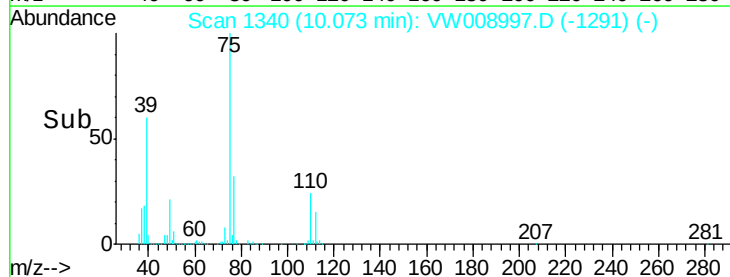
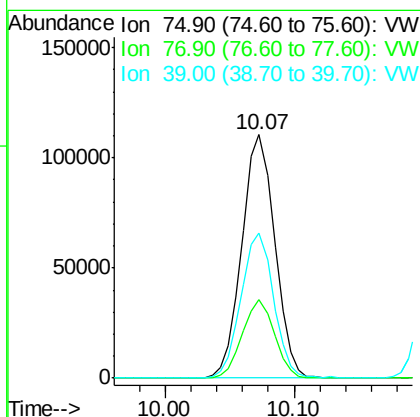
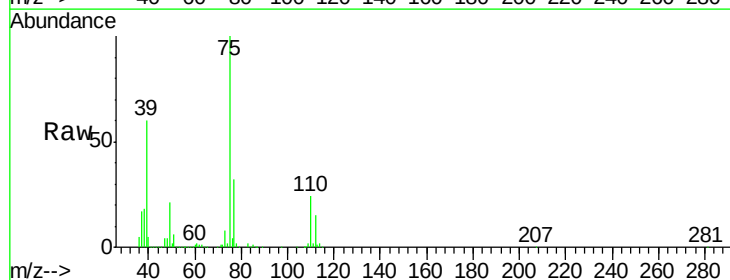
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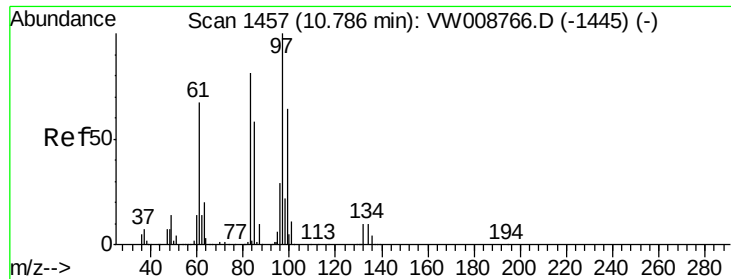
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.469 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	59.6	46.6	70.0





#55

1,1,2-Trichloroethane

Concen: 61.081 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

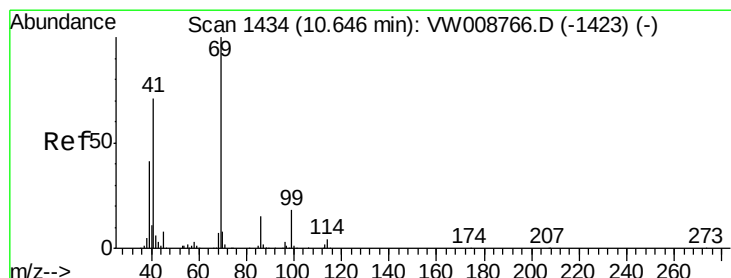
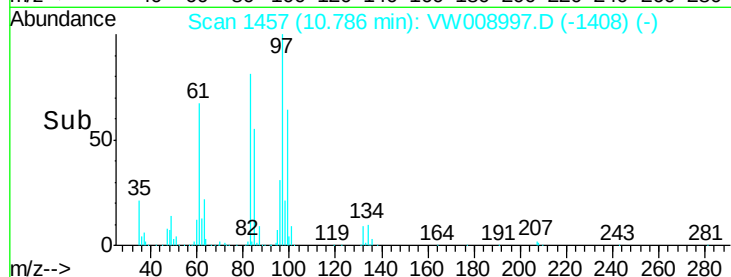
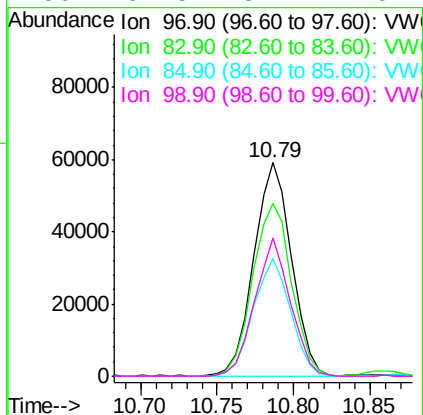
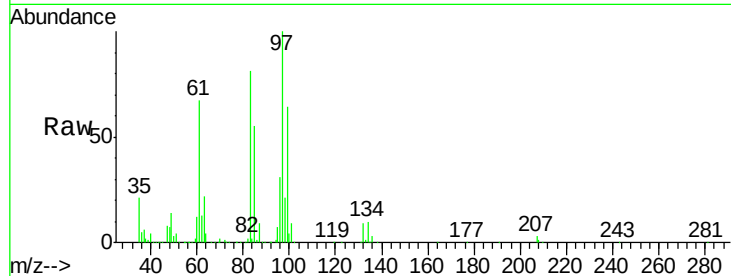
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	97	Resp:	101799
Ion	Ratio	Lower	Upper
97	100		
83	80.8	65.0	97.6
85	55.0	46.0	69.0
99	64.5	51.1	76.7

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#56

Ethyl methacrylate

Concen: 61.988 ug/l

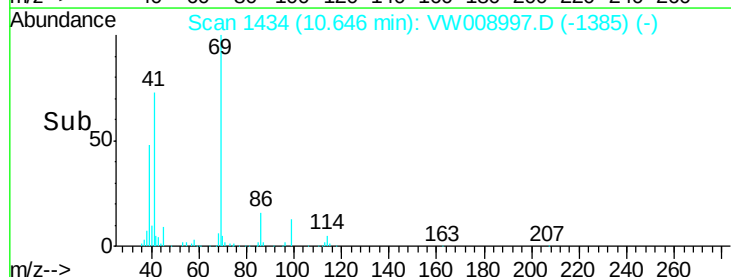
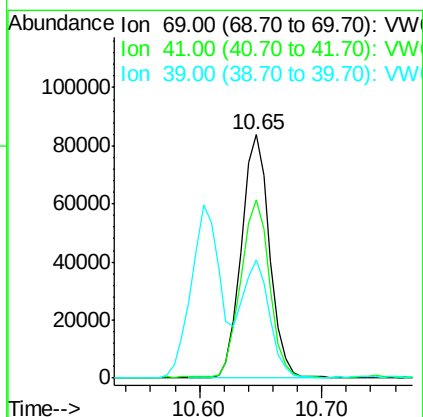
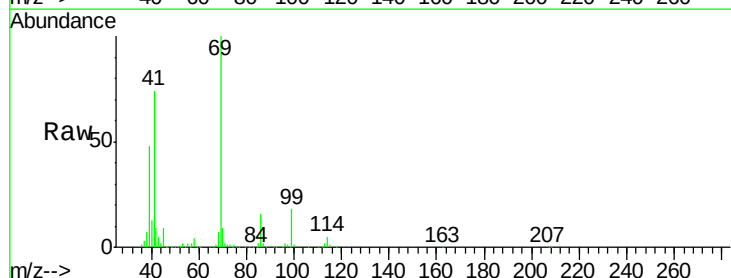
RT: 10.65 min Scan# 1434

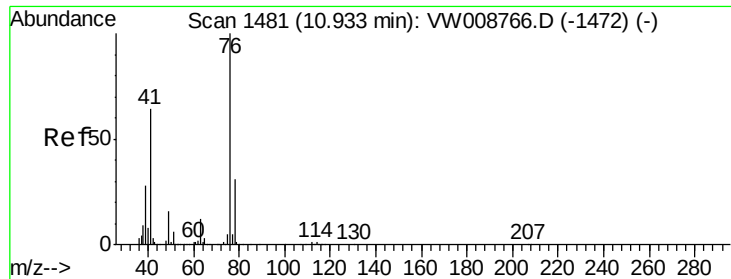
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	69	Resp:	134222
Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.4	86.0
39	45.3	34.8	52.2





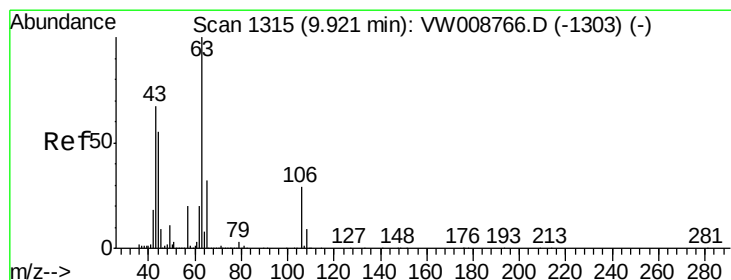
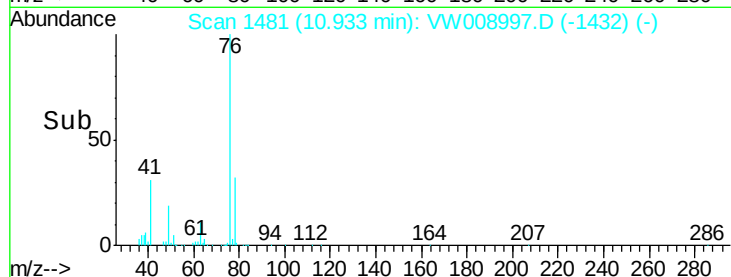
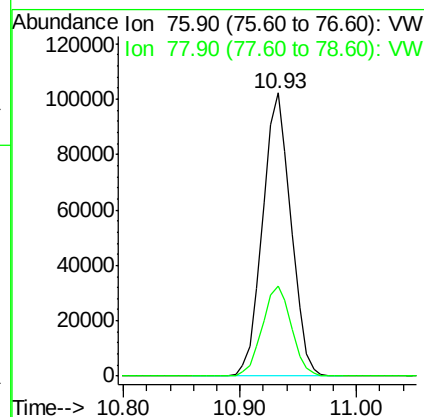
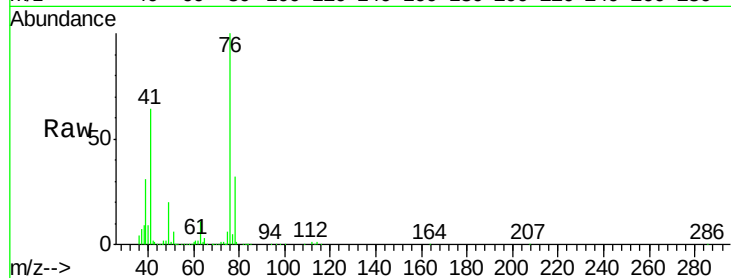
#57
 1,3-Dichloropropane
 Concen: 58.639 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

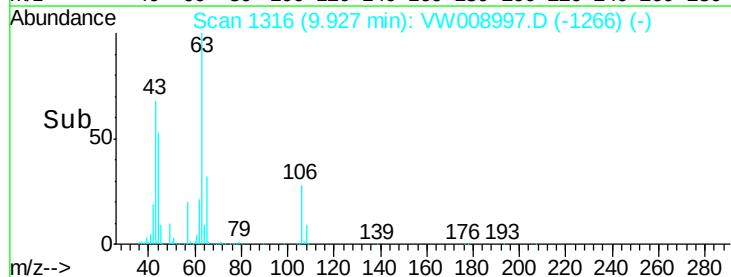
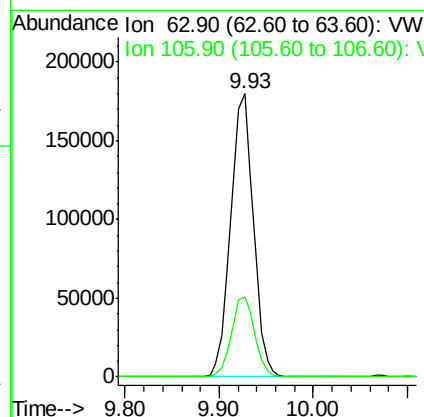
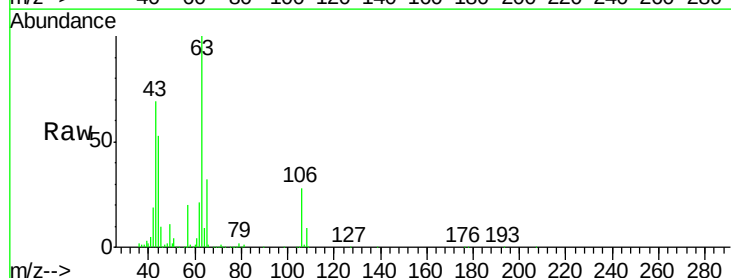
Manual Integrations
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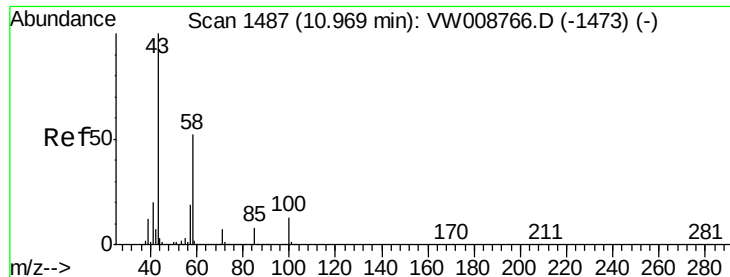
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 277.907 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	24.0	36.0





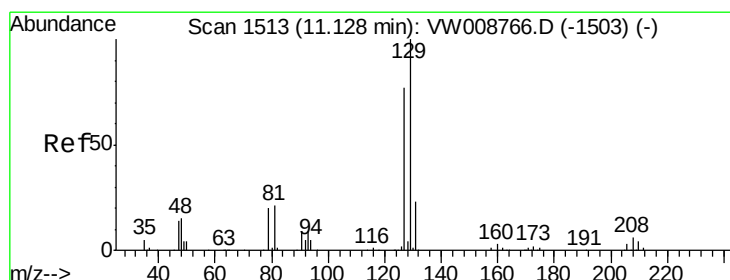
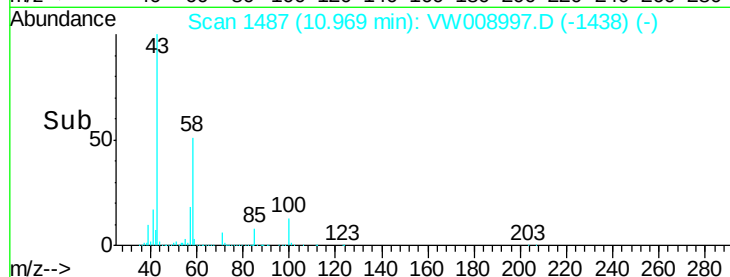
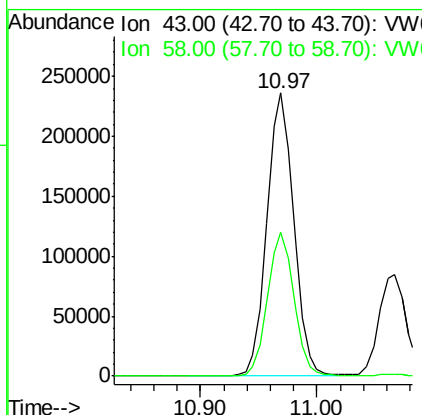
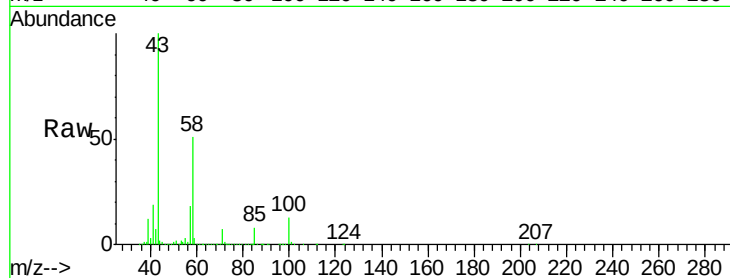
#59
2-Hexanone
Concen: 340.809 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion: 43 Resp: 374327
Ion Ratio Lower Upper
43 100
58 50.3 25.3 75.8

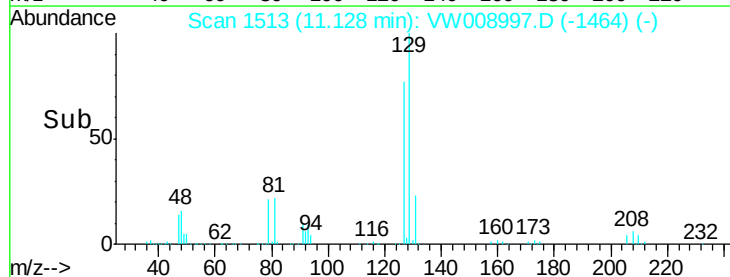
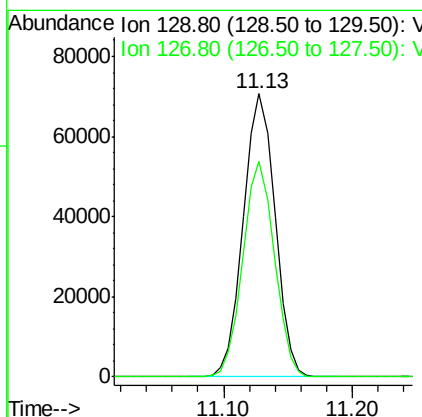
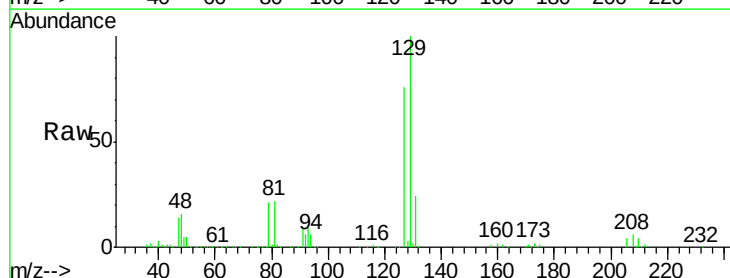
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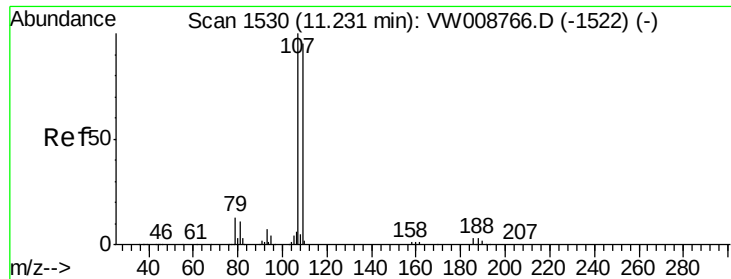
MMDadoda
3/6/2019 3:22:07 PM



#60
Dibromochloromethane
Concen: 59.251 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion: 129 Resp: 120448
Ion Ratio Lower Upper
129 100
127 75.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 57.178 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:107 Resp: 94327

Ion Ratio Lower Upper

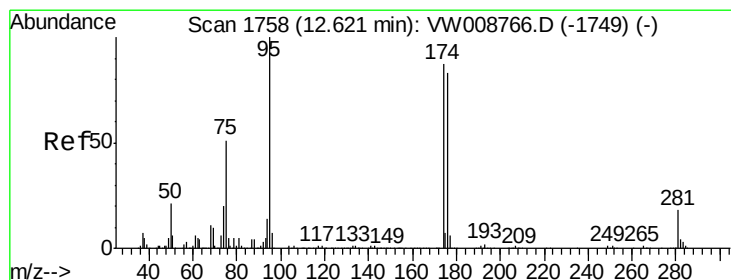
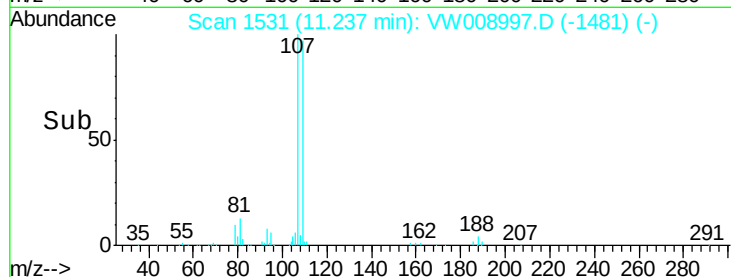
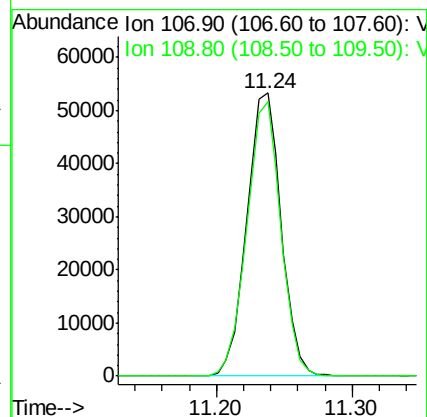
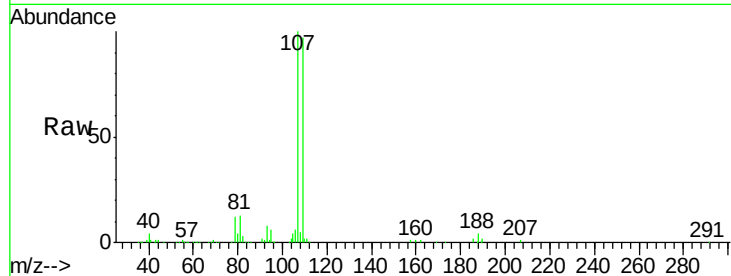
107 100

109 95.7 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 43.846 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

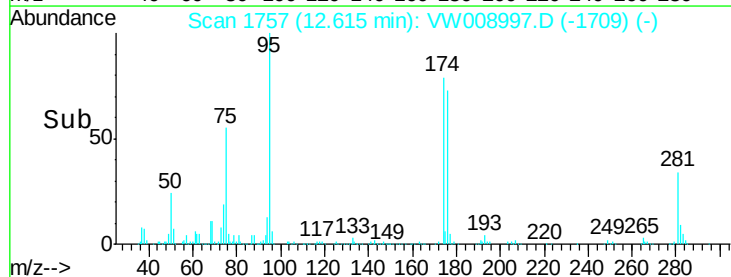
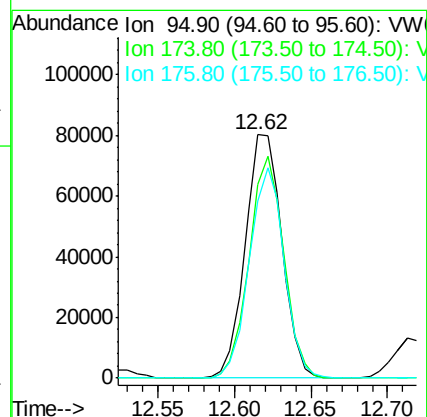
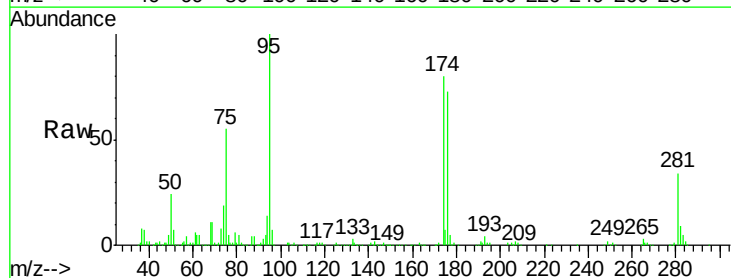
Tgt Ion: 95 Resp: 133854

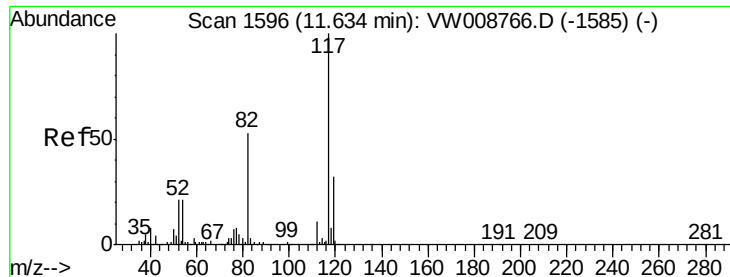
Ion Ratio Lower Upper

95 100

174 86.2 0.0 169.2

176 82.1 0.0 163.6





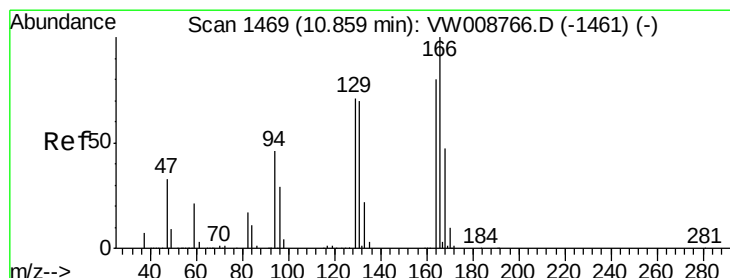
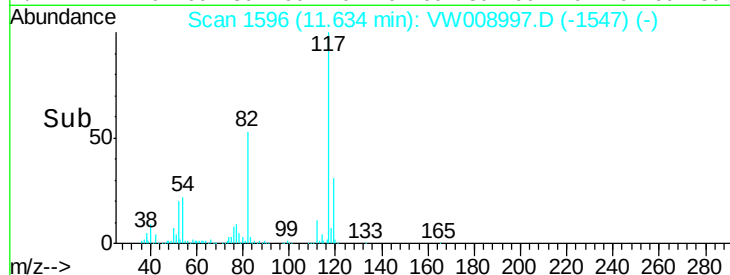
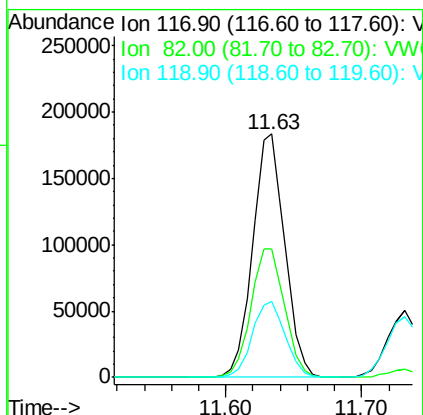
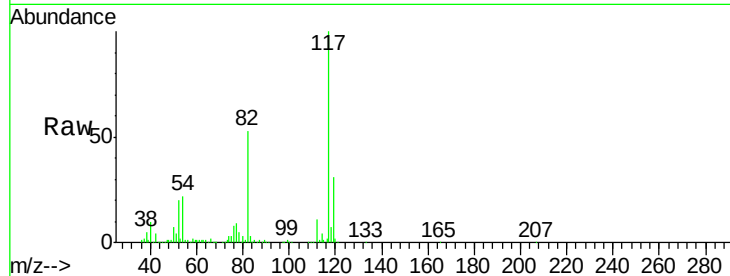
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	52.9	42.2	63.4
119	31.1	25.9	38.9

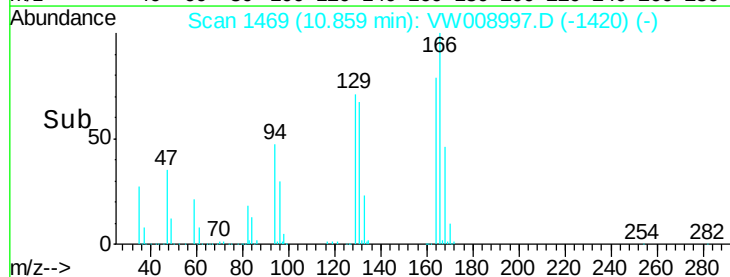
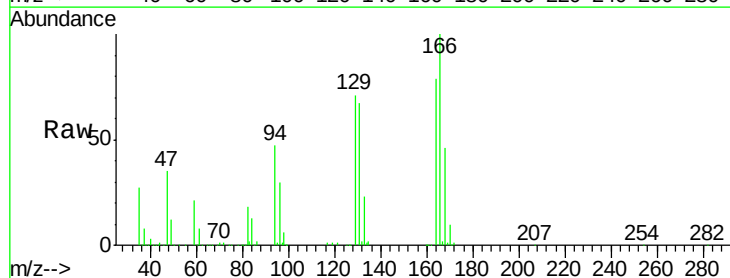
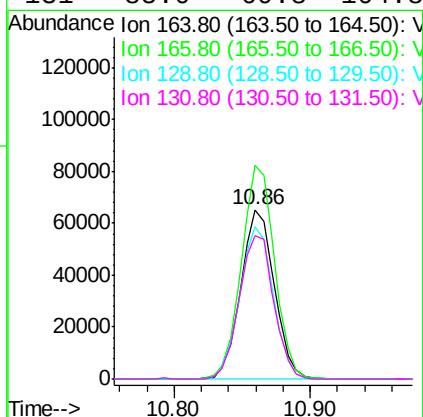
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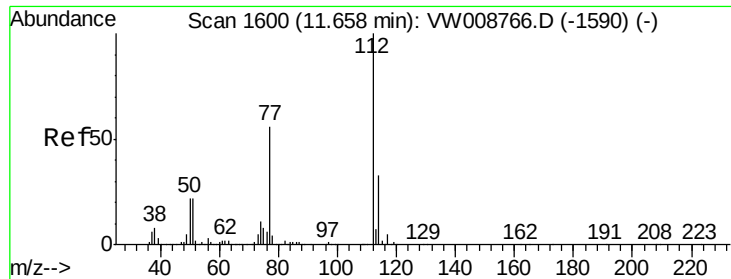
MMDadoda
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#64
Tetrachloroethene
Concen: 51.561 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.3	99.5	149.3
129	89.9	71.1	106.7
131	85.0	69.8	104.8





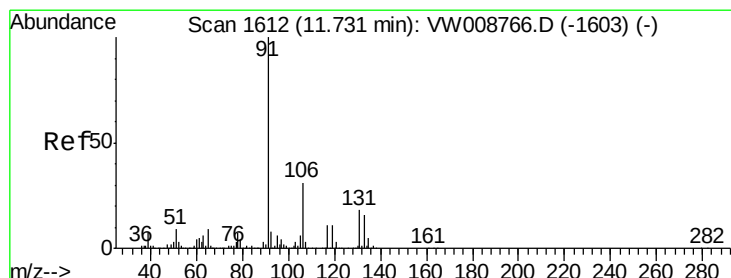
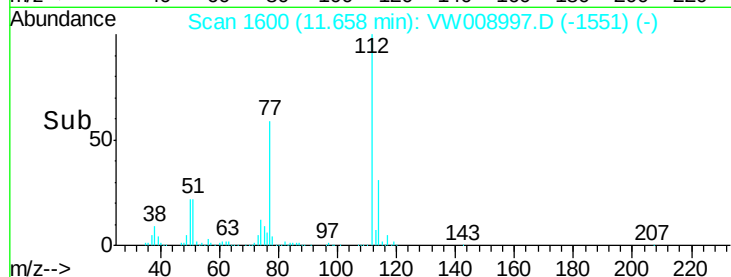
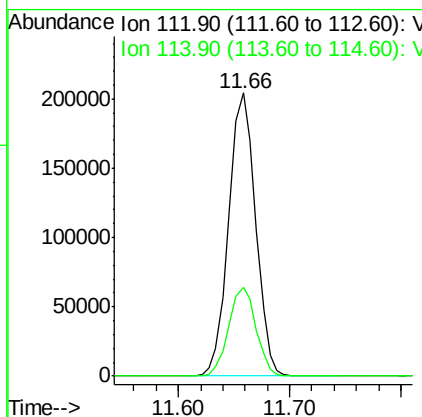
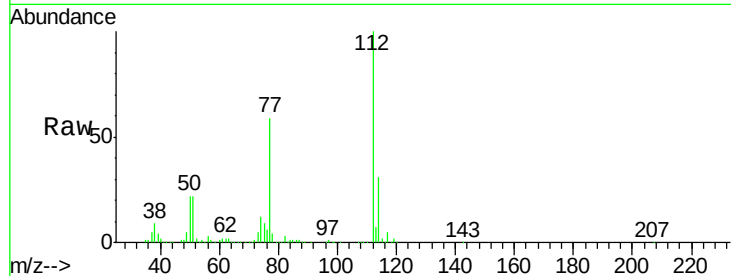
#65
Chlorobenzene
Concen: 53.705 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.6	40.0

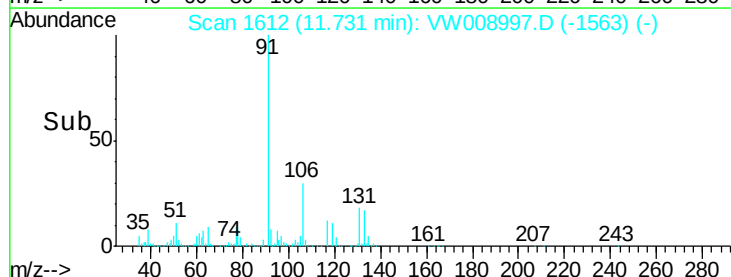
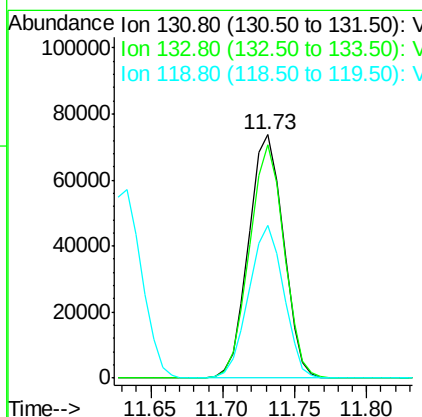
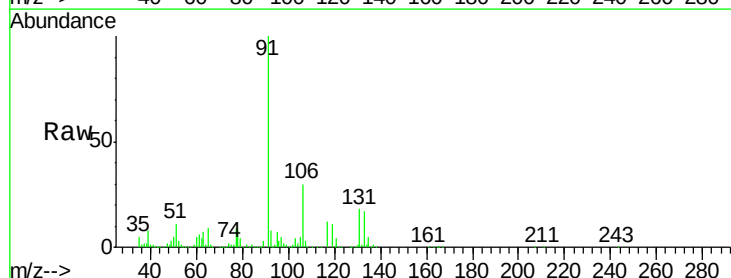
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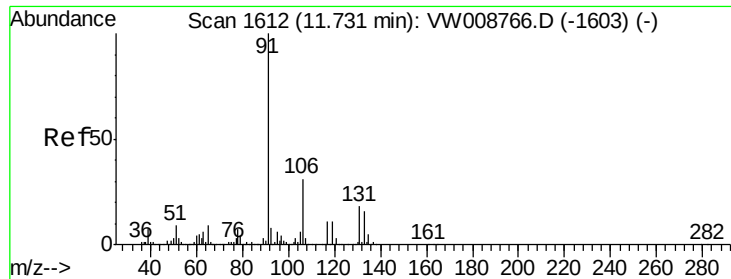
MMDadoda
3/6/2019 3:22:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.345 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.7	140.0
119	62.8	30.8	92.4





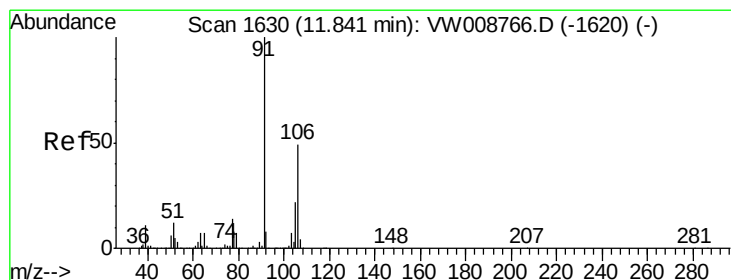
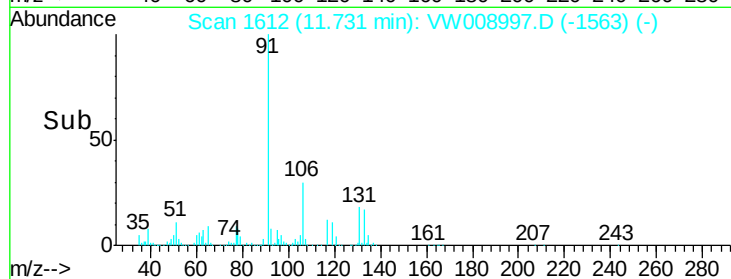
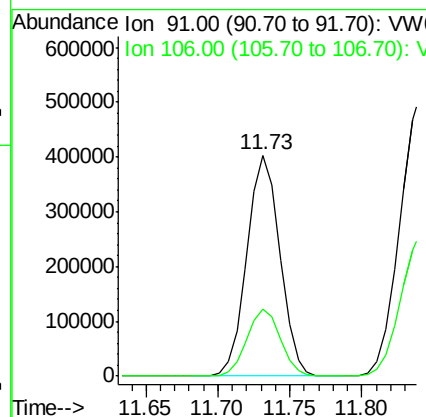
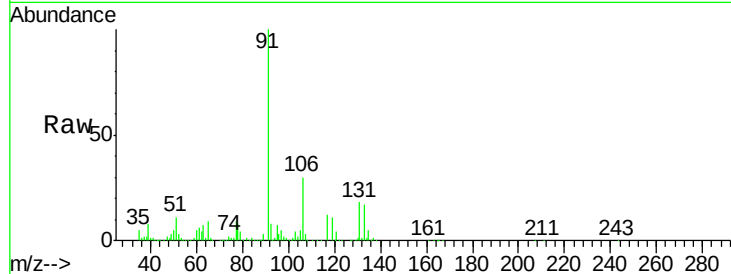
#67
Ethyl Benzene
Concen: 55.879 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.5	25.0	37.6	

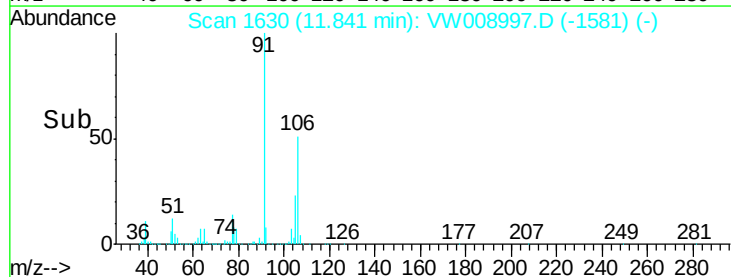
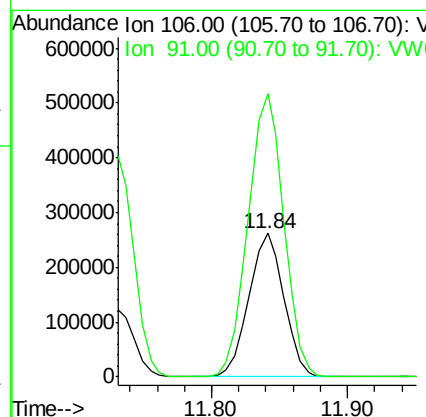
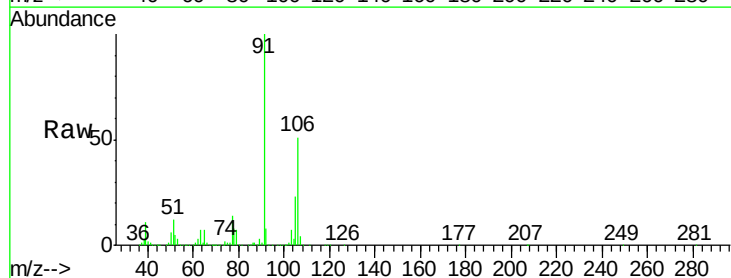
Manual Integrations
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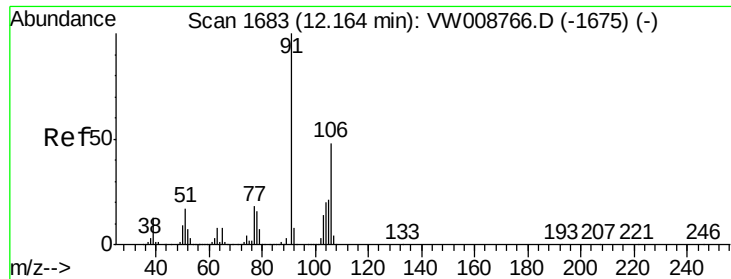
MMDadoda
3/6/2019 3:22:07 PM



#68
m/p-Xylenes
Concen: 103.713 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	200.9	161.5	242.3	





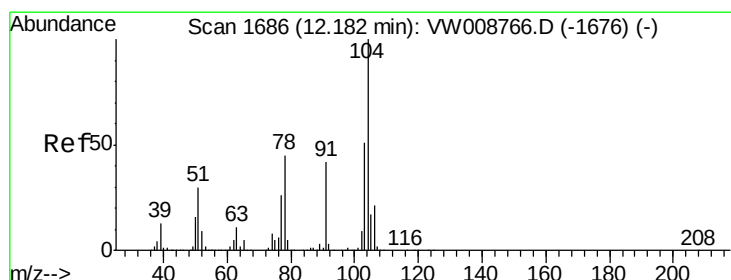
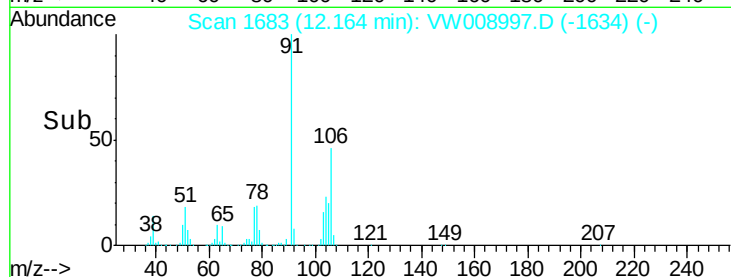
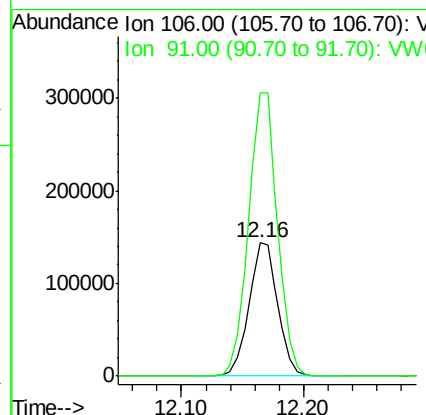
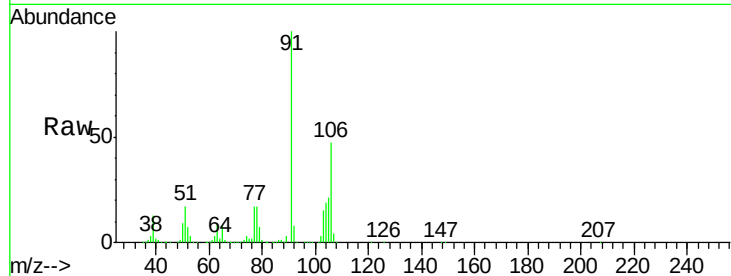
#69
o-Xylene
Concen: 54.379 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		232806		
91	215.8	106.2	318.6		

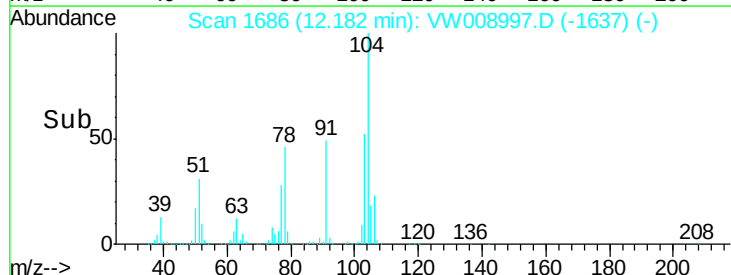
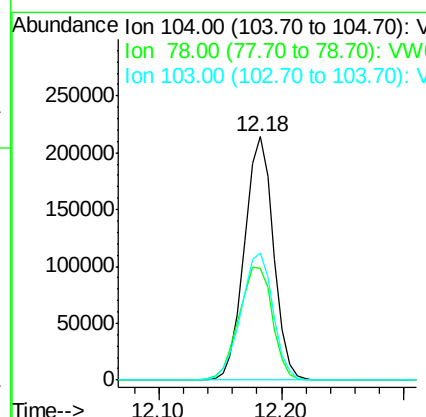
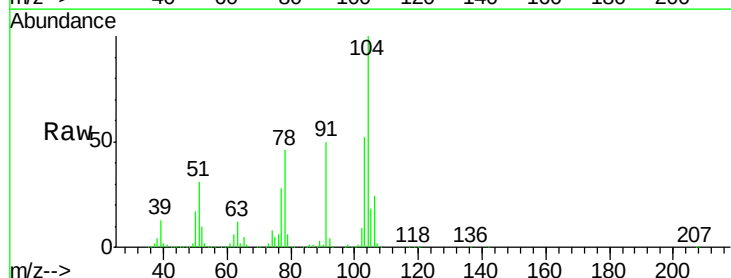
Manual Integrations
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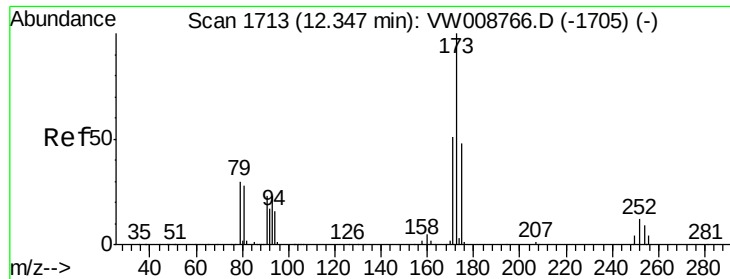
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3/6/2019 3:22:07 PM



#70
Styrene
Concen: 51.329 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		353538		
78	53.7	40.8	61.2		
103	57.4	44.2	66.2		





#71

Bromoform

Concen: 61.942 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

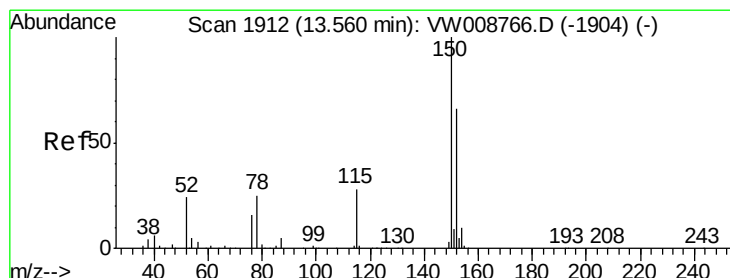
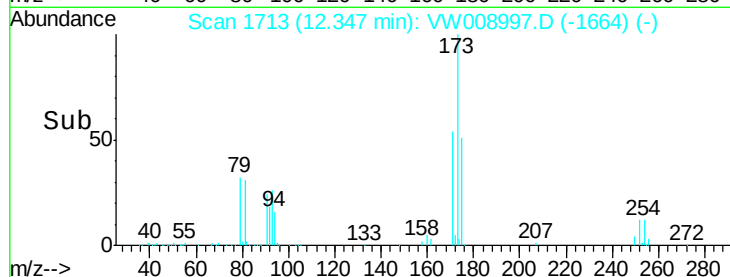
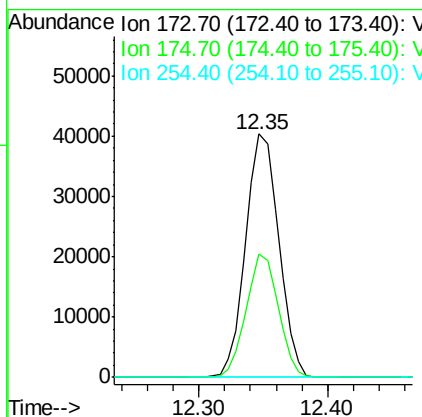
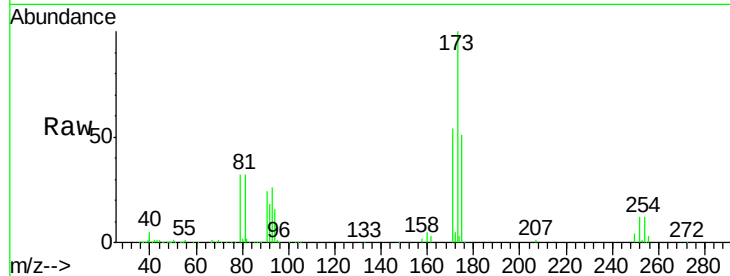
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:173	Resp:	71892
Ion Ratio	Lower	Upper
173 100		
175 49.0	24.2	72.6
254 0.1	0.2	0.4#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

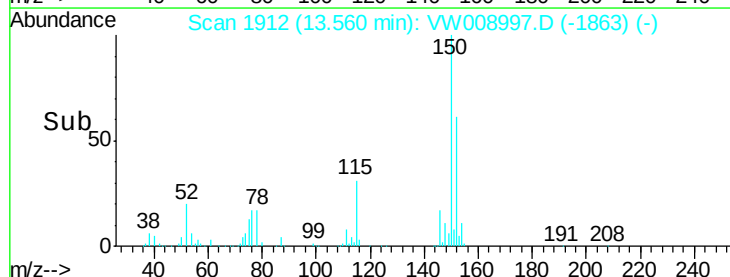
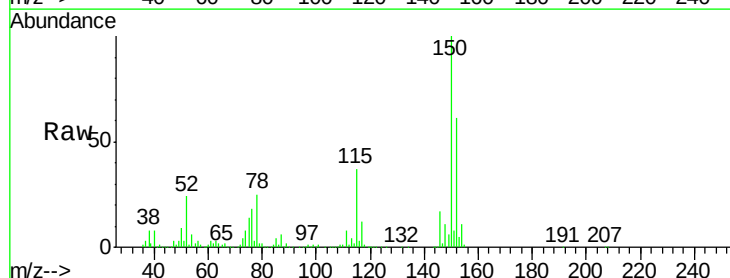
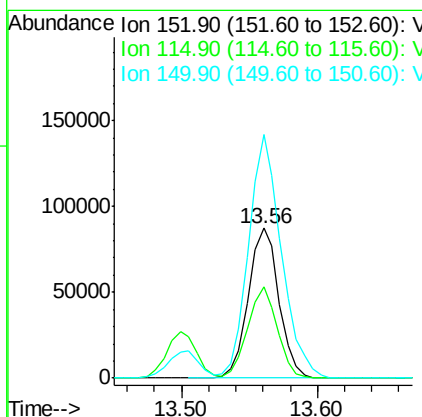
RT: 13.56 min Scan# 1912

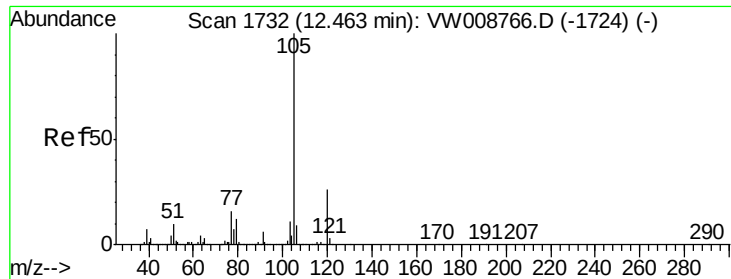
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:152	Resp:	137004
Ion Ratio	Lower	Upper
152 100		
115 59.1	28.6	85.8
150 175.1	0.0	348.0





#73

Isopropylbenzene

Concen: 65.352 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:105 Resp: 613795

Ion Ratio Lower Upper

105 100

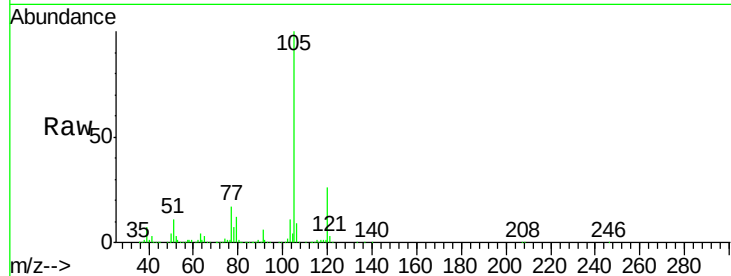
120 26.1 13.3 39.9

Manual Integrations

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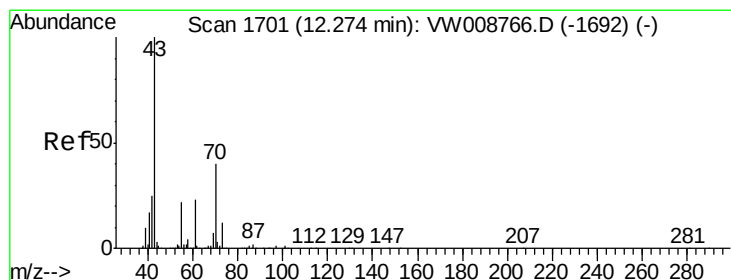
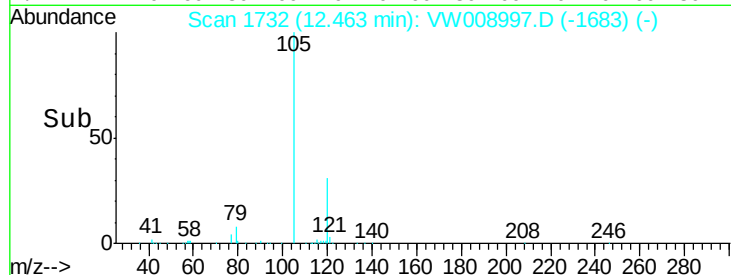
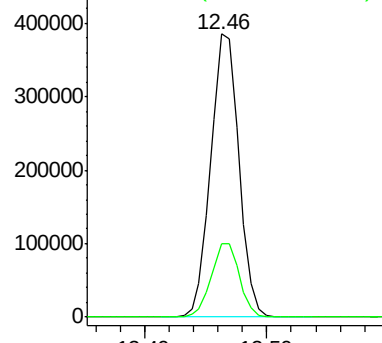
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.645 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion: 43 Resp: 143475

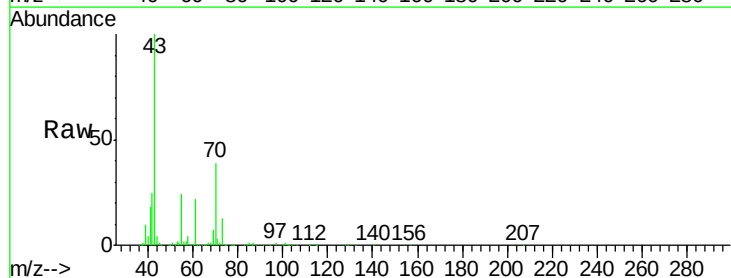
Ion Ratio Lower Upper

43 100

70 37.3 31.0 46.6

55 23.2 18.7 28.1

61 21.1 18.1 27.1

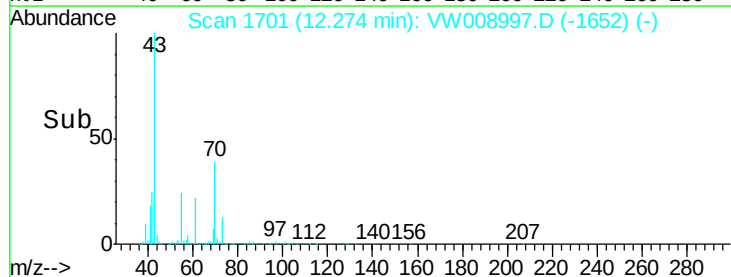
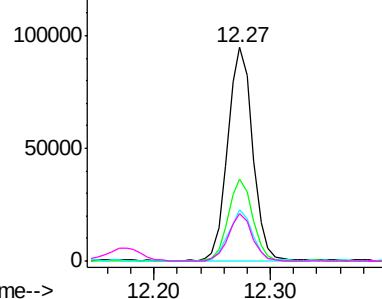


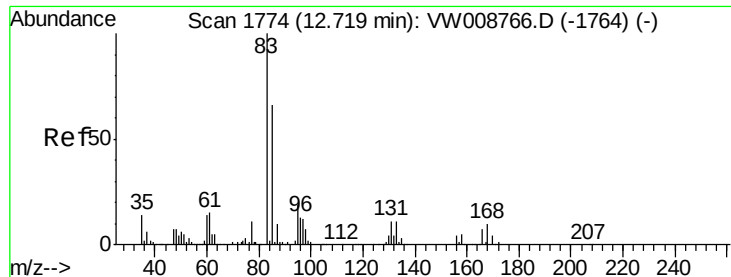
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 77.077 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

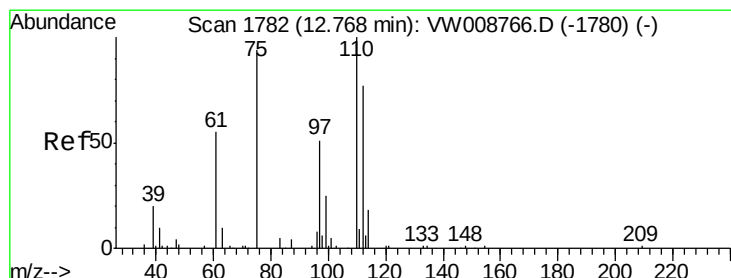
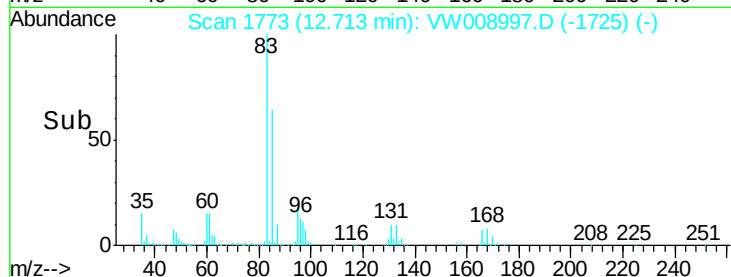
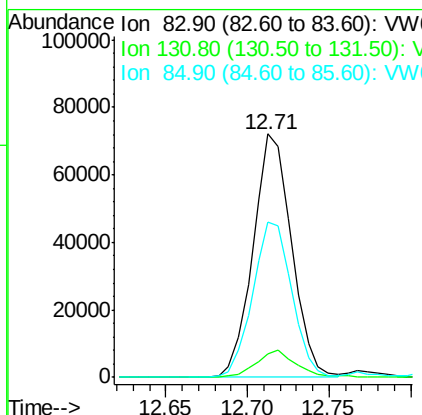
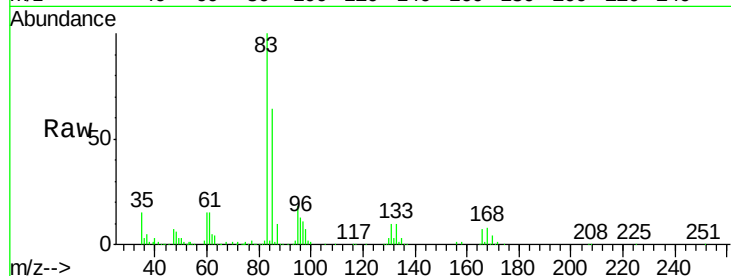
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	83	Resp:	118286
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	65.1	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 75.490 ug/l m

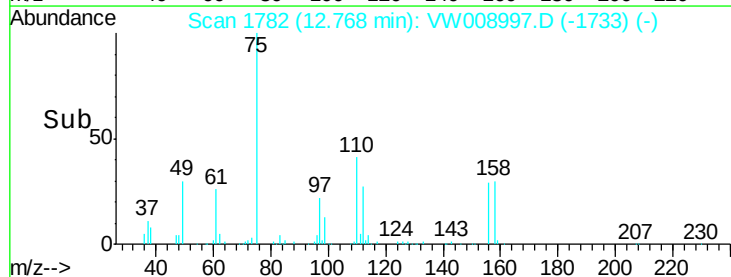
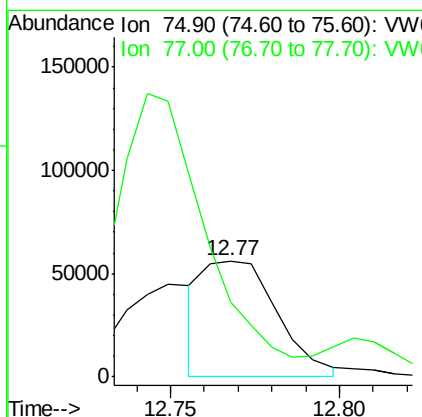
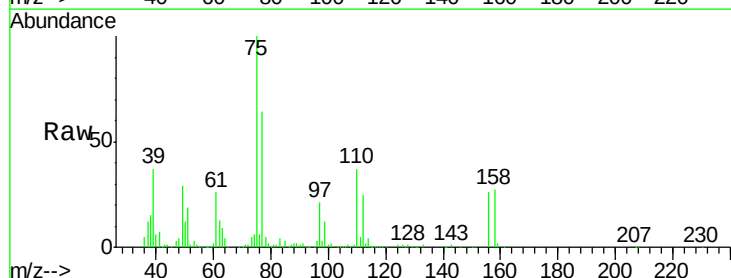
RT: 12.77 min Scan# 1782

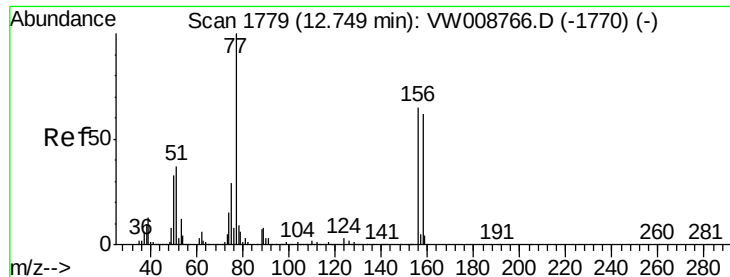
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	75	Resp:	85390
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





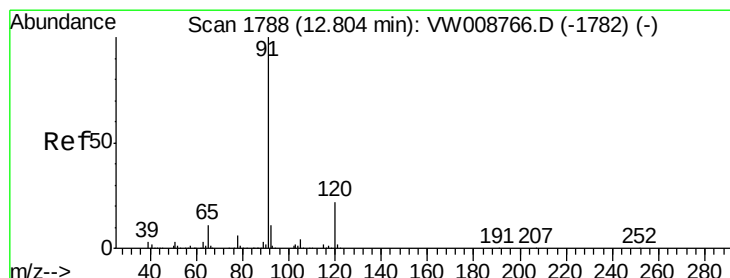
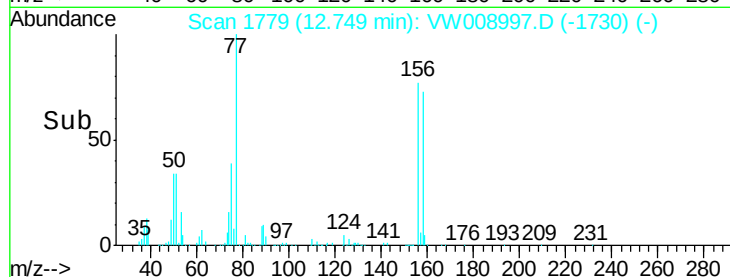
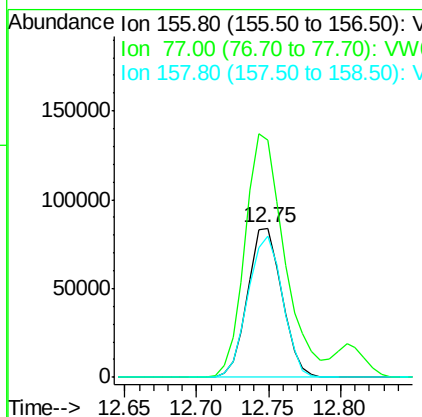
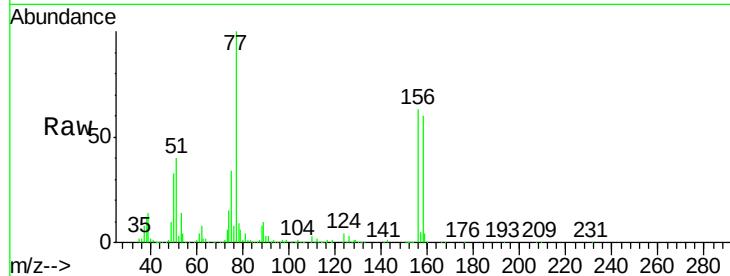
#77
Bromobenzene
Concen: 62.603 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	186.4	89.1	267.4
158	95.1	49.2	147.6

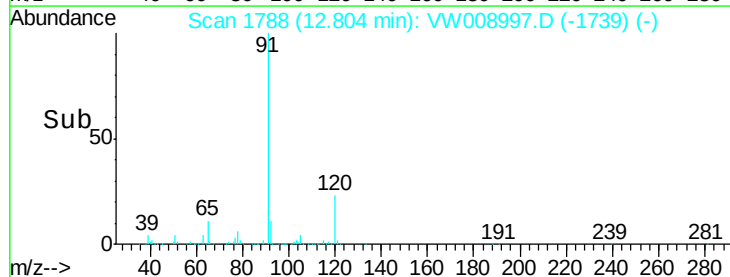
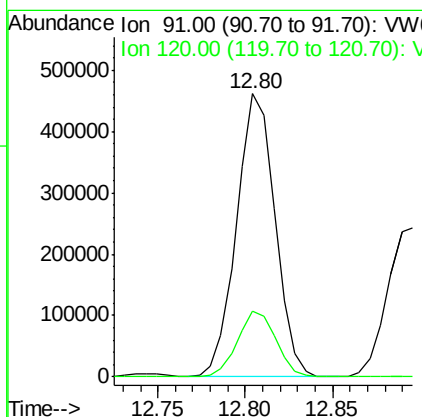
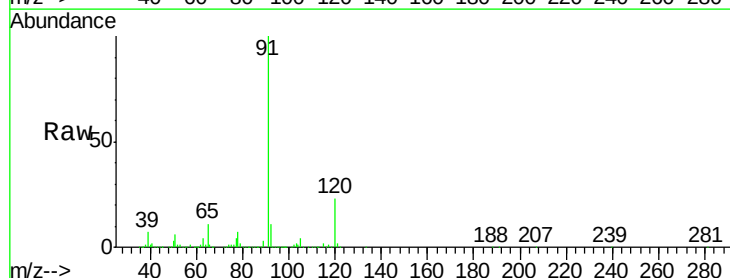
Manual Integrations
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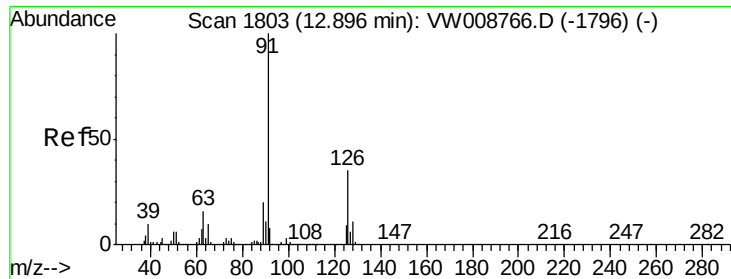
MMDadoda
3/6/2019 3:22:07 PM



#78
n-propylbenzene
Concen: 61.539 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008997.D
Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.4





#79

2-Chlorotoluene

Concen: 60.920 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion: 91 Resp: 397376

Ion Ratio Lower Upper

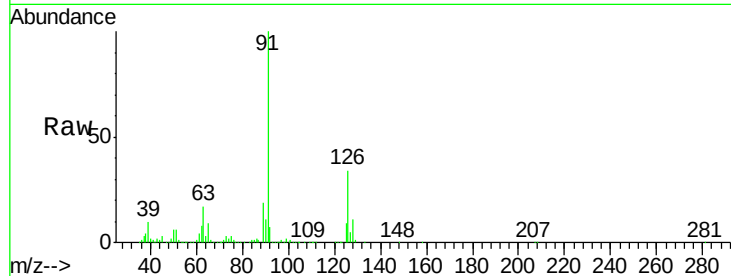
91 100

126 33.9 17.0 51.0

Manual Integrations
APPROVED

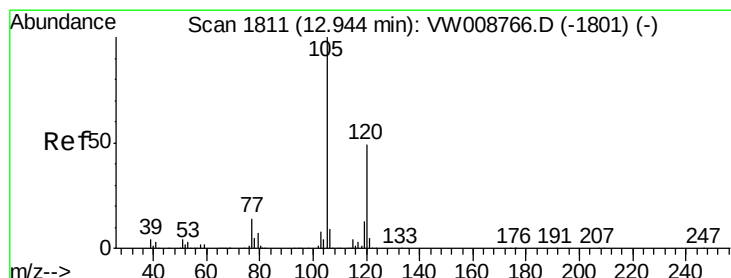
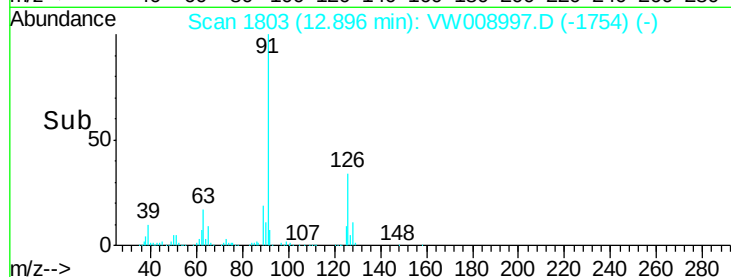
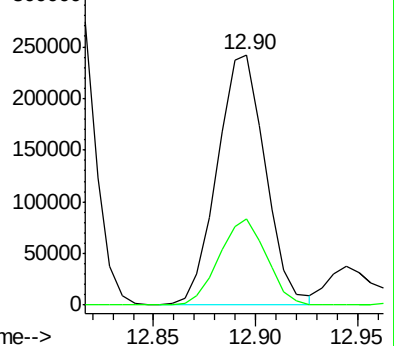
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 61.209 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008997.D

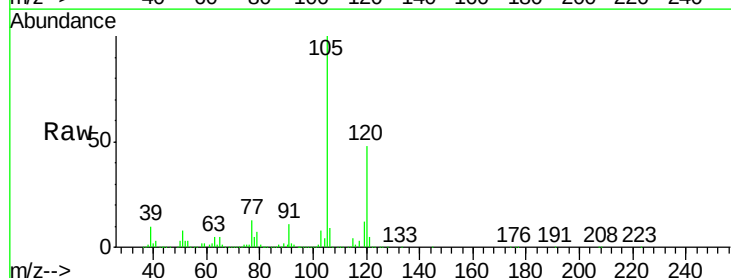
Acq: 05 Mar 2019 15:28

Tgt Ion: 105 Resp: 499584

Ion Ratio Lower Upper

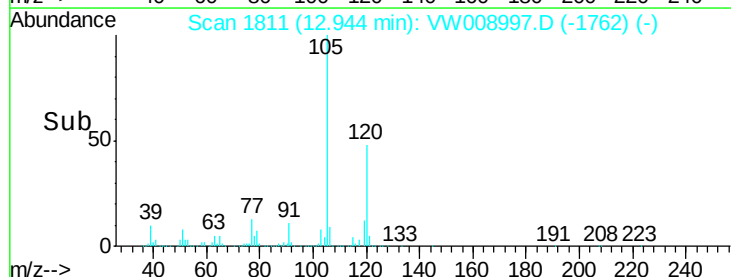
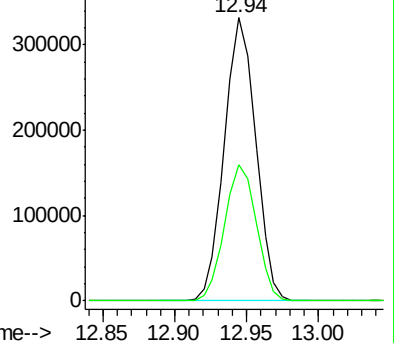
105 100

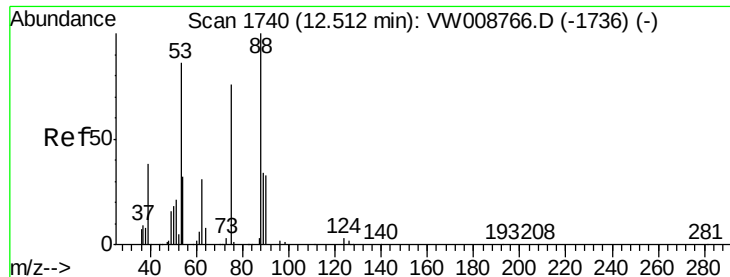
120 48.7 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 77.990 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

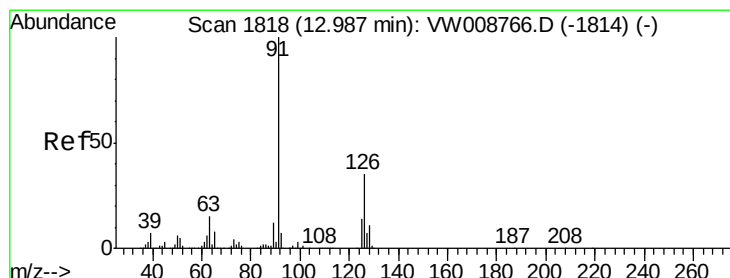
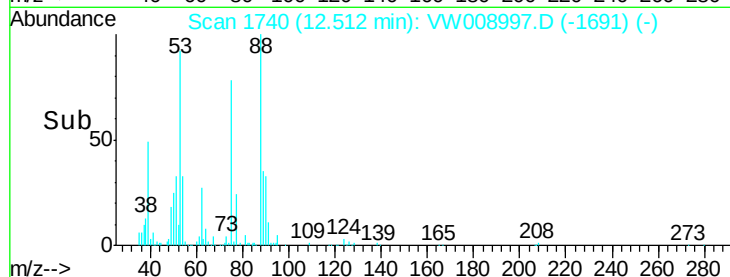
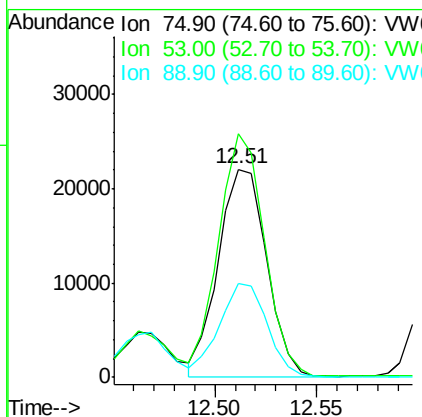
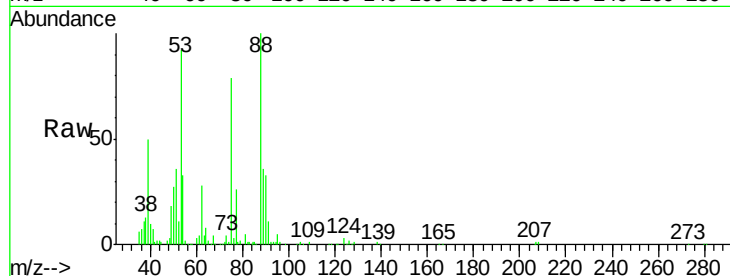
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	75	Resp:	36288
Ion	Ratio	Lower	Upper
75	100		
53	110.9	88.2	132.2
89	44.8	39.5	59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 58.687 ug/l

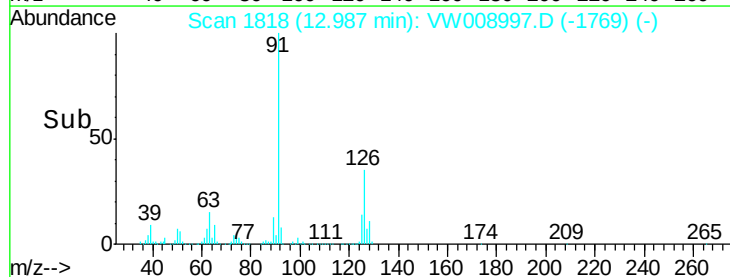
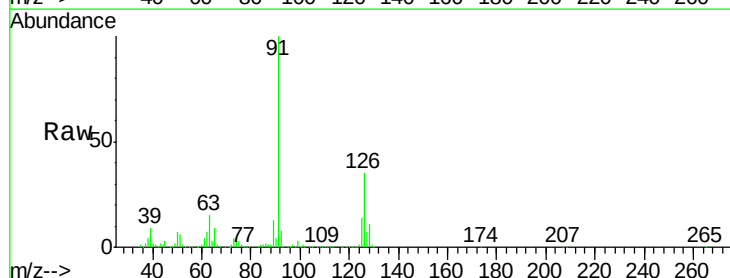
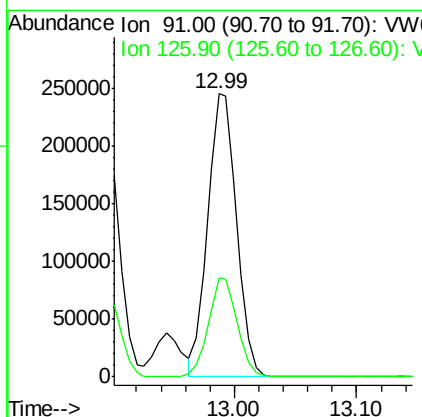
RT: 12.99 min Scan# 1818

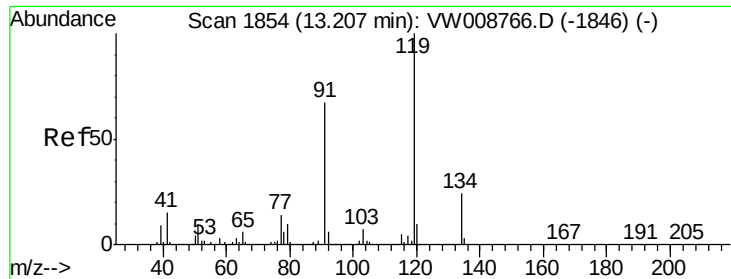
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	91	Resp:	403400
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.6





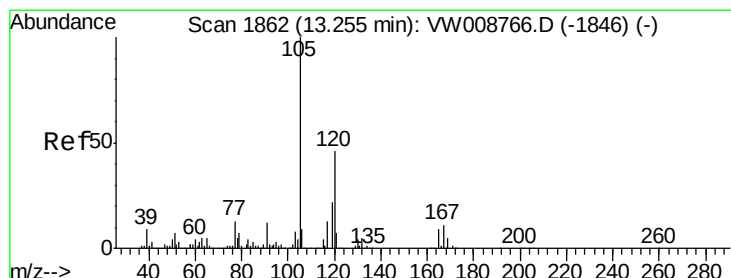
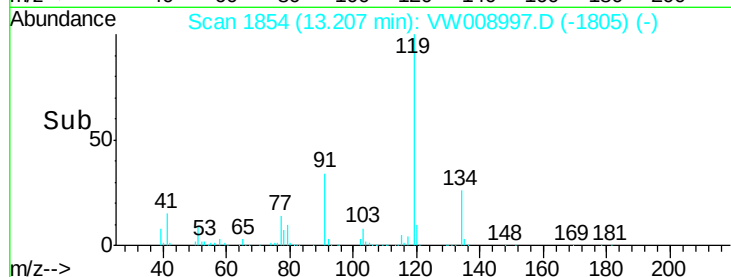
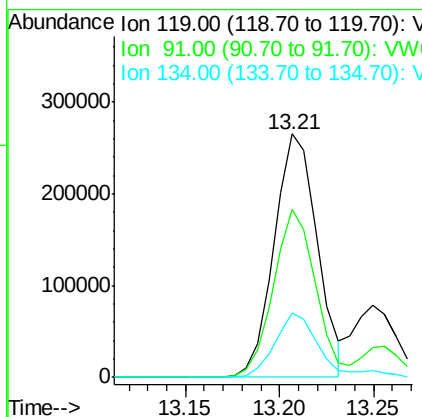
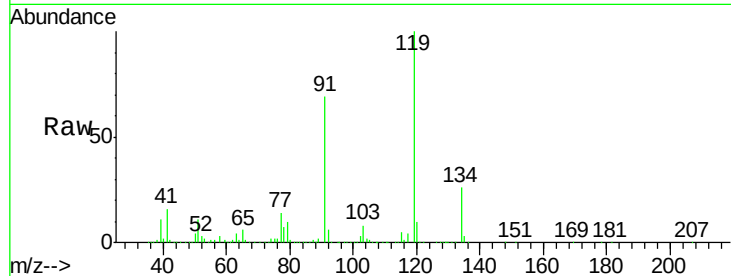
#83
 tert-Butylbenzene
 Concen: 59.622 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.6	100.8
134	27.9	13.7	41.1

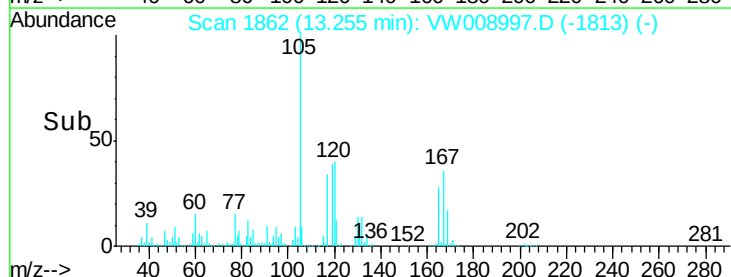
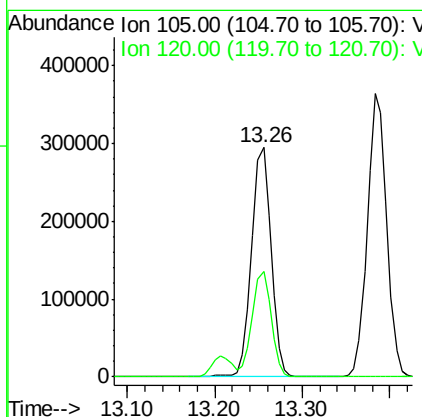
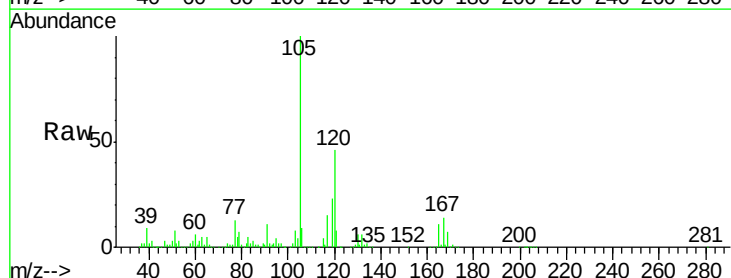
Manual Integrations
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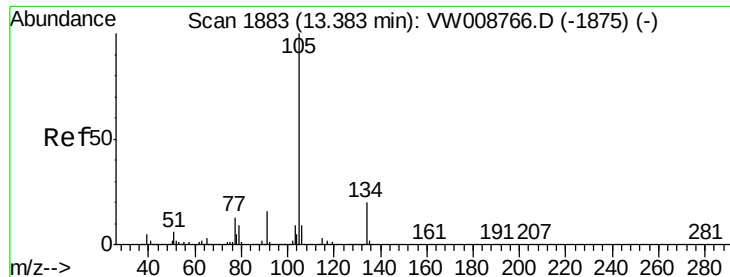
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.134 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.8	68.4





#85

sec-Butylbenzene

Concen: 55.384 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:105 Resp: 562023

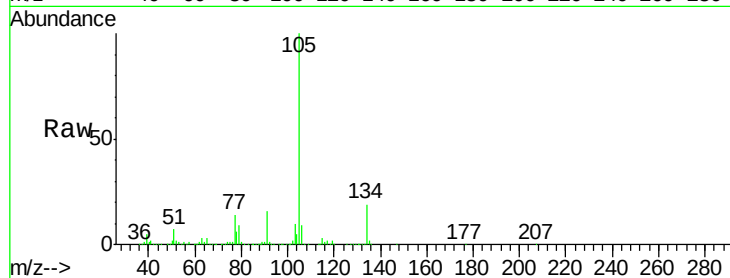
Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.1

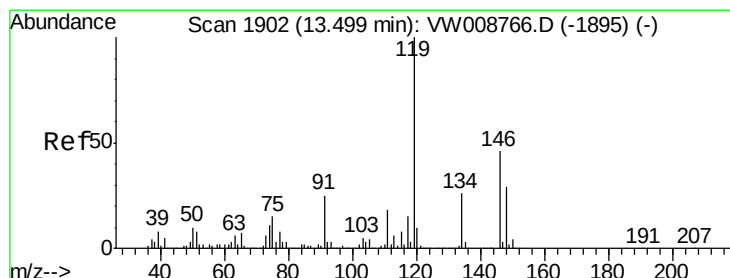
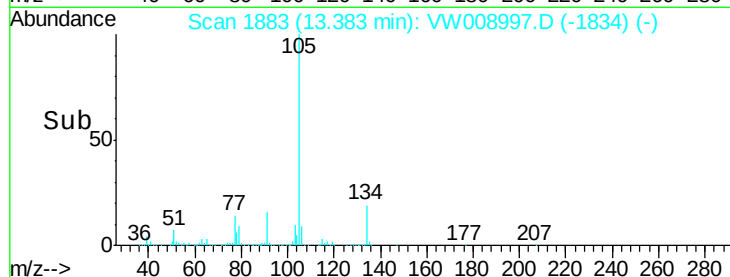
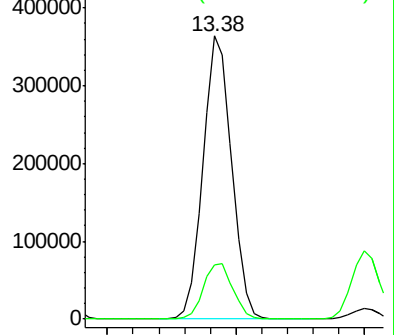
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.020 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

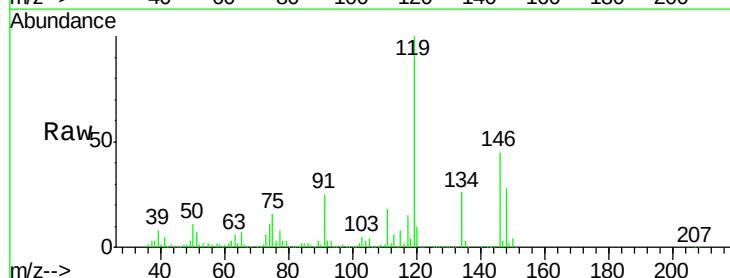
Tgt Ion:119 Resp: 502543

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

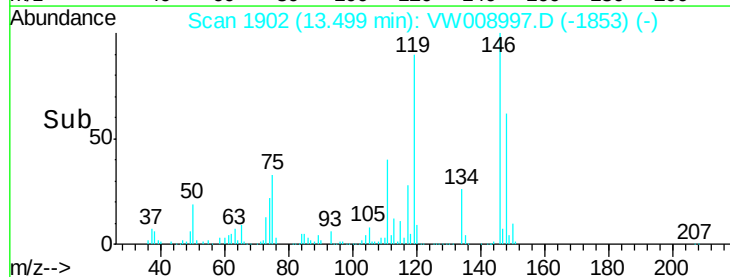
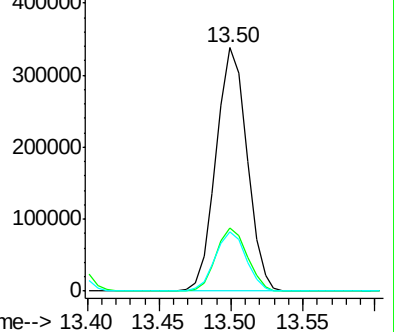
91 24.5 12.1 36.3

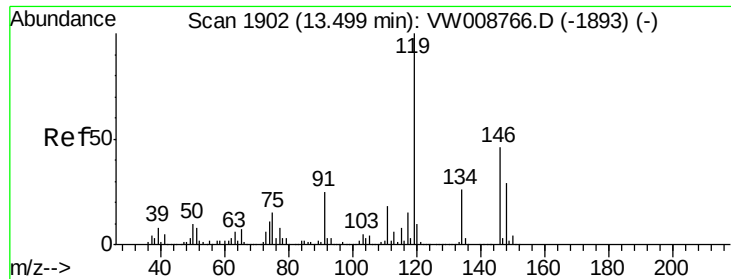


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





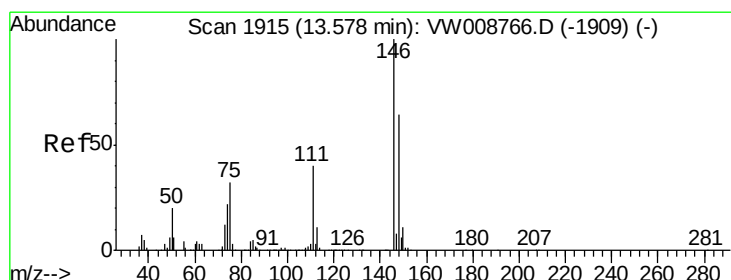
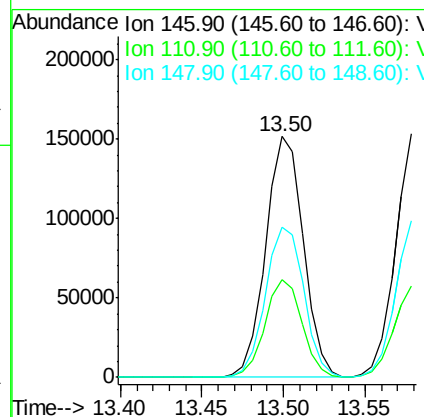
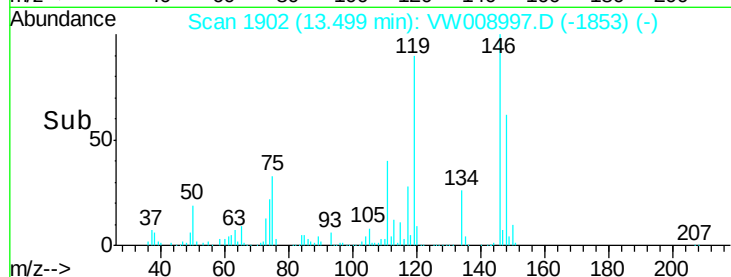
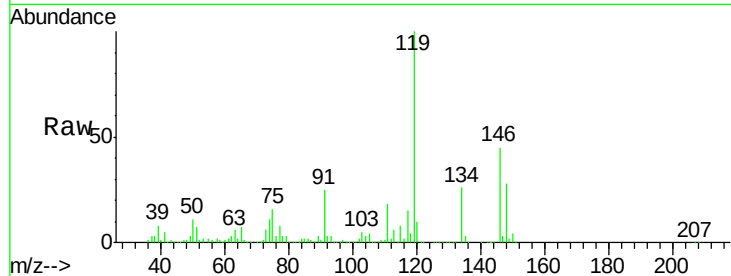
#87
 1,3-Dichlorobenzene
 Concen: 52.942 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	63.8	31.6	94.8

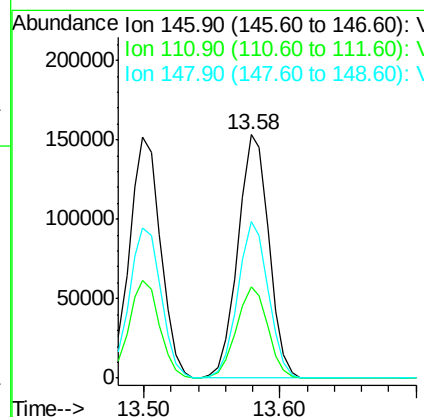
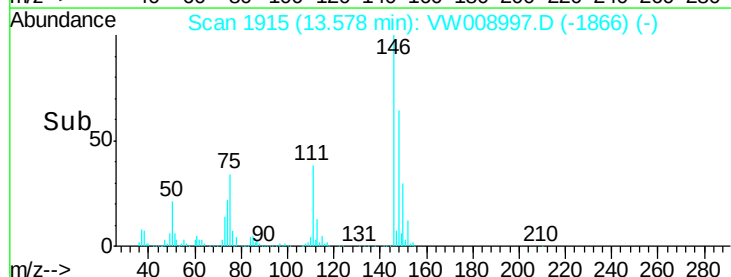
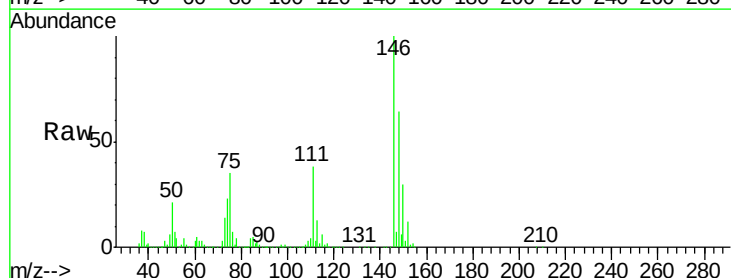
Manual Integrations
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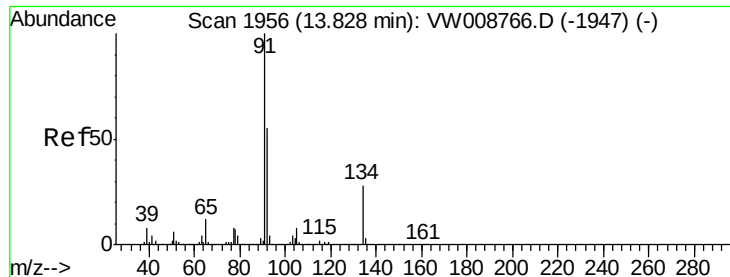
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#88
 1,4-Dichlorobenzene
 Concen: 53.526 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.9
148	63.5	31.9	95.9





#89

n-Butylbenzene

Concen: 47.982 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

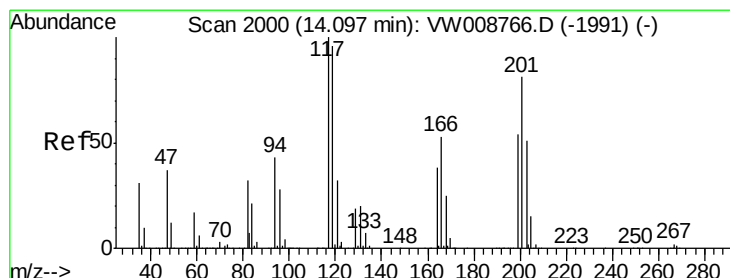
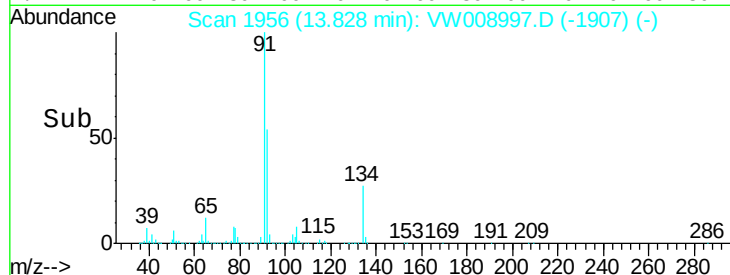
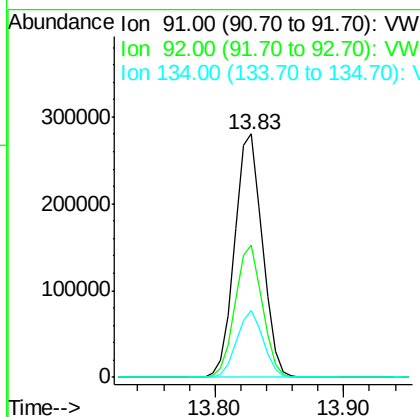
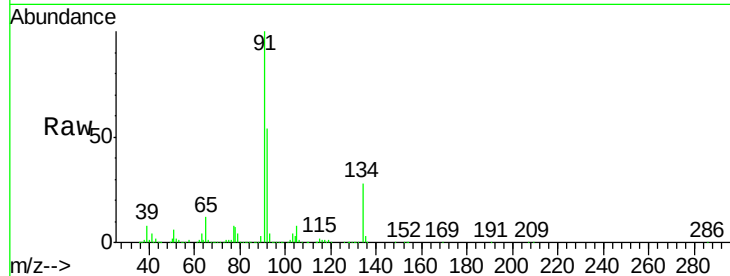
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	91	Resp:	418177
Ion Ratio	Lower	Upper	
91	100		
92	53.5	26.8	80.4
134	26.3	13.5	40.4

Manual Integrations
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#90

Hexachloroethane

Concen: 55.818 ug/l

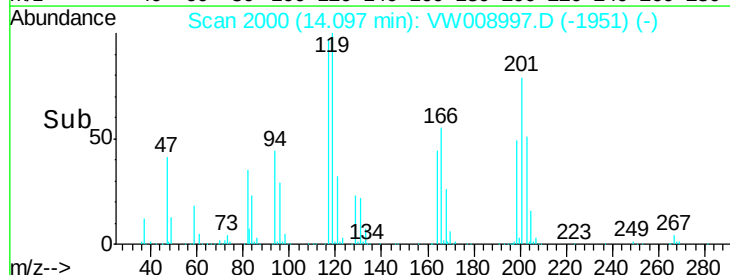
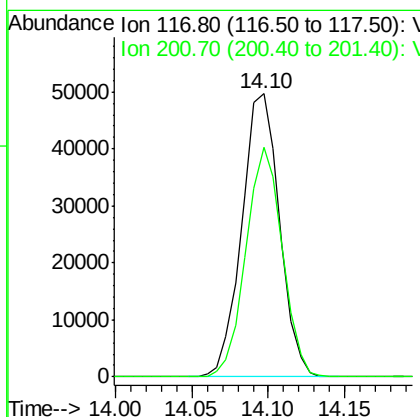
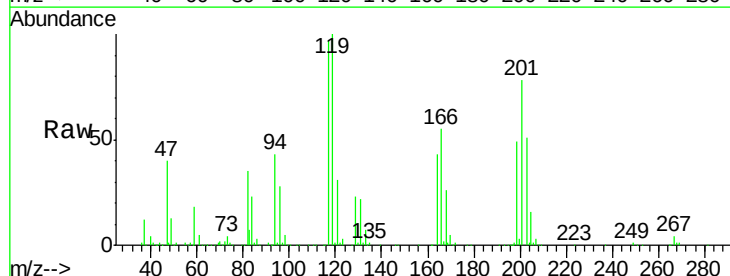
RT: 14.10 min Scan# 2000

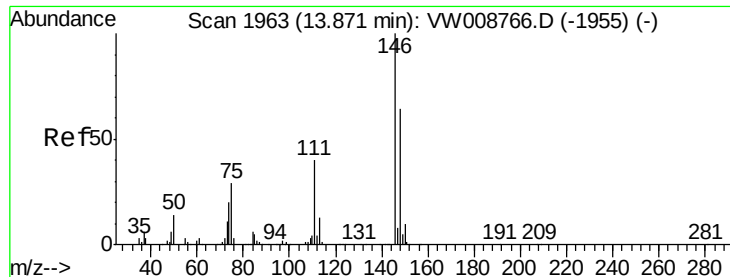
Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	117	Resp:	85007
Ion Ratio	Lower	Upper	
117	100		
201	78.3	40.3	120.8





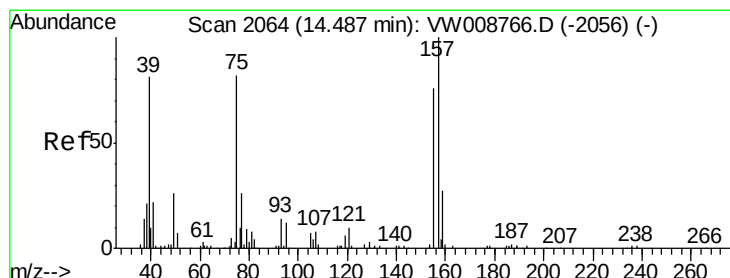
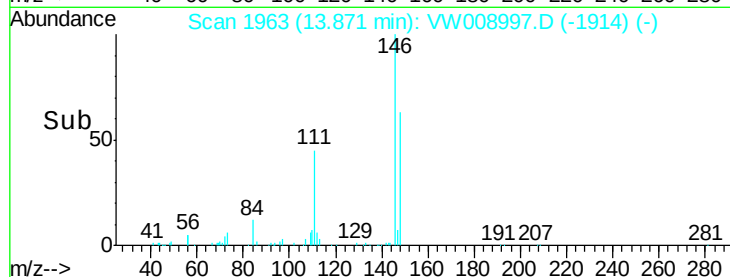
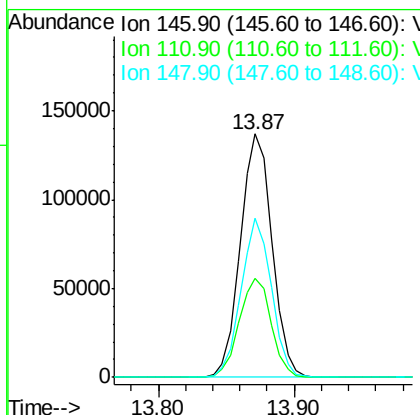
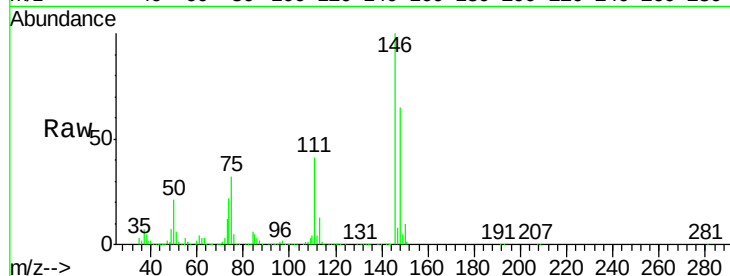
#91
 1,2-Dichlorobenzene
 Concen: 54.311 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	62.5	32.5	97.5

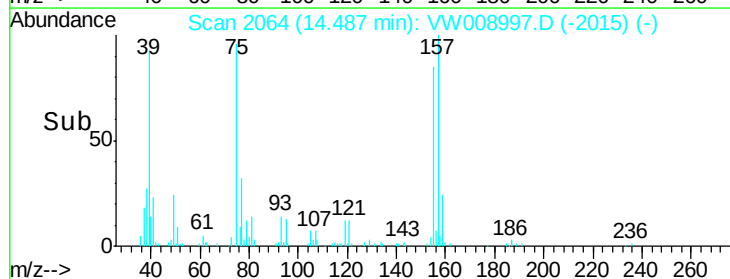
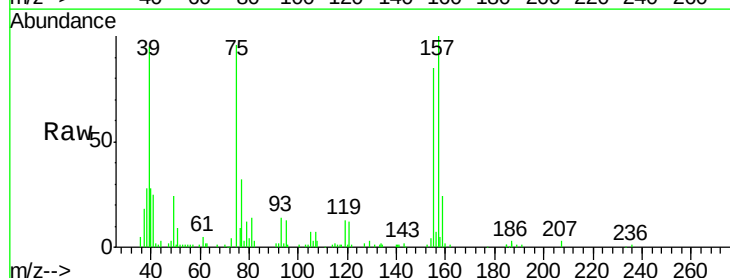
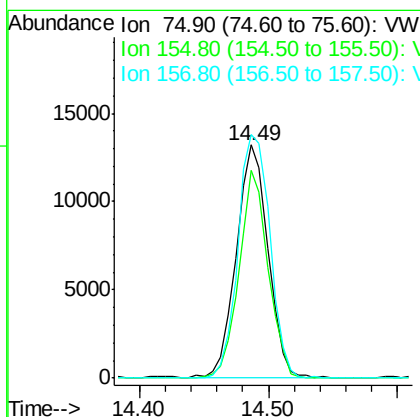
Manual Integrations
 APPROVED

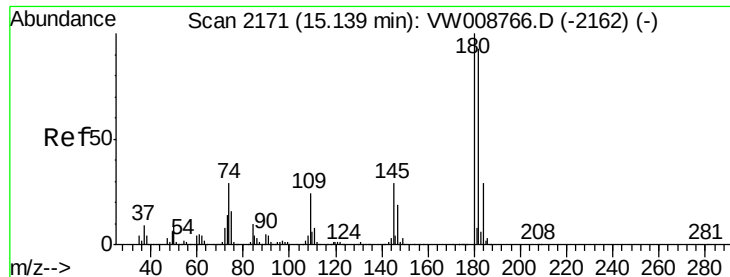
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 81.172 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.8	125.4
157	104.8	56.6	169.9





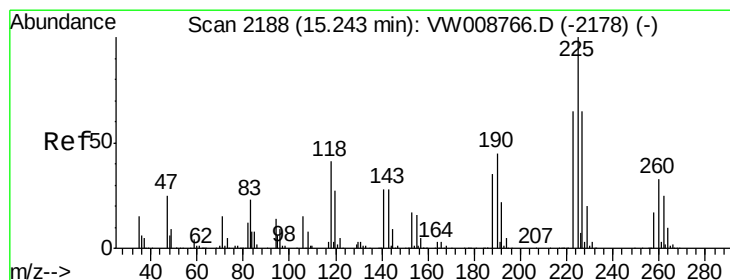
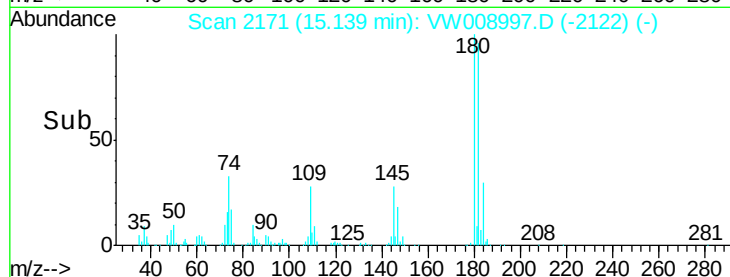
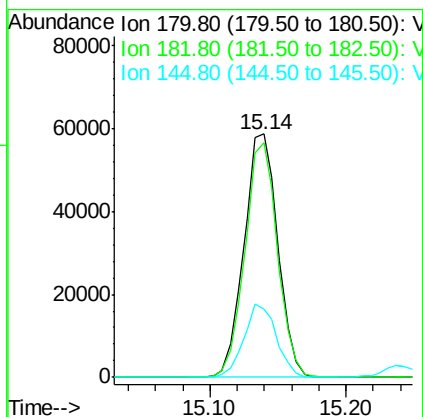
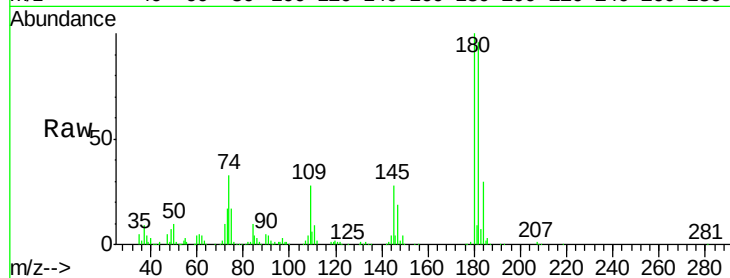
#93
 1,2,4-Trichlorobenzene
 Concen: 34.597 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-2-1.5-2.0MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102279		
182	93.0	47.2	141.6	
145	29.0	14.4	43.0	

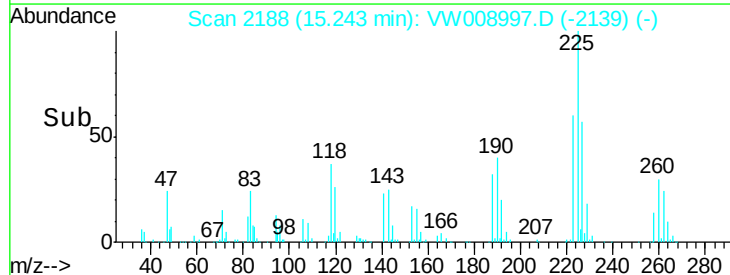
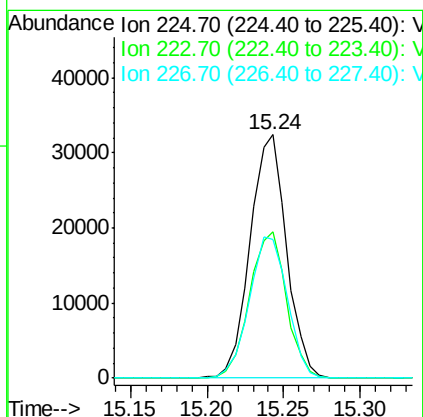
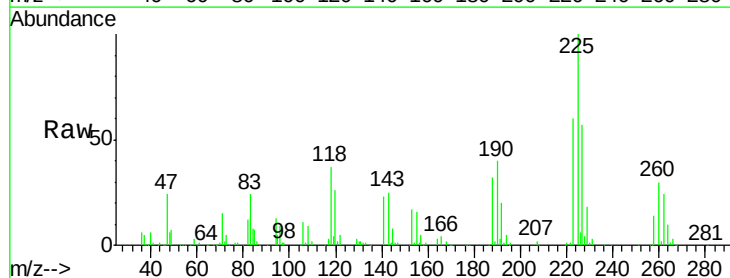
Manual Integrations
 APPROVED

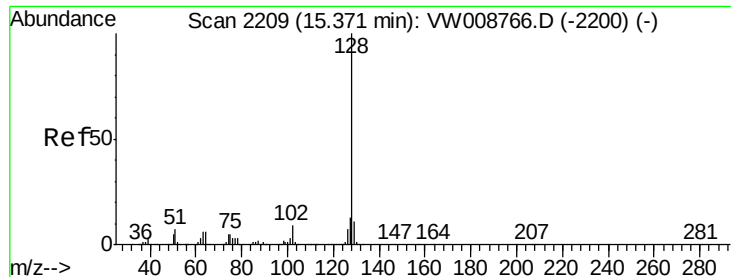
MMDadoda
 3/6/2019 3:22:07 PM



#94
 Hexachlorobutadiene
 Concen: 30.858 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008997.D
 Acq: 05 Mar 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53735		
223	61.0	31.5	94.5	
227	60.7	31.6	94.8	





#95

Naphthalene

Concen: 47.930 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Instrument :

MSVOA_W

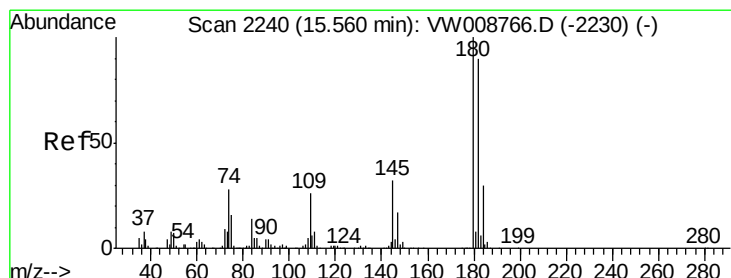
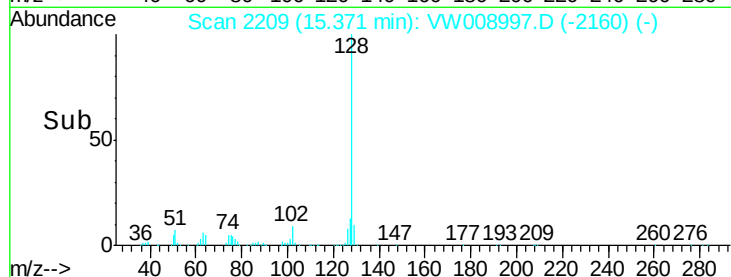
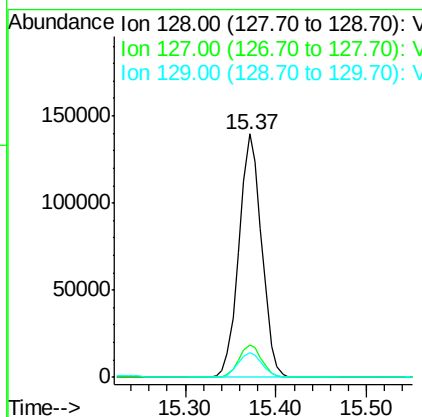
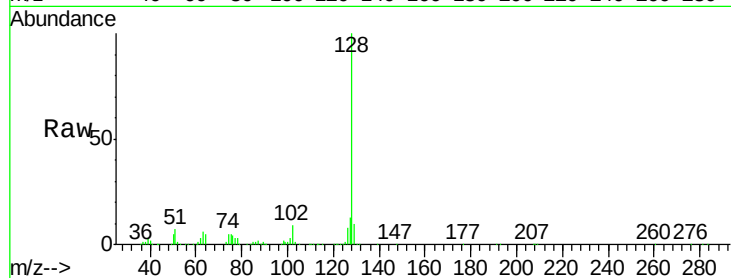
ClientSampleId :

A0C12-2-1.5-2.0MS

Tot Ion:	128	Resp:	241252
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/6/2019 3:22:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 35.132 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW008997.D

Acq: 05 Mar 2019 15:28

Tgt Ion:	180	Resp:	89800
Ion Ratio		Lower	Upper
180	100		
182	94.9	46.9	140.8
145	30.6	15.9	47.6

