

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008998.D
 Acq On : 05 Mar 2019 15:54
 Operator : SY/VA
 Sample : K1655-12MSD
 Misc : 6.65G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 3:22:12 PM

Quant Time: Mar 06 07:38:25 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	188211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	264952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88997	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.88	113	79806	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.32	98	337042	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
62) 4-Bromofluorobenzene	12.62	95	127253	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	89208	47.323	ug/l	97
3) Chloromethane	2.21	50	111465	48.576	ug/l	98
4) Vinyl Chloride	2.35	62	115852	47.685	ug/l	95
5) Bromomethane	2.76	94	86533	47.953	ug/l	98
6) Chloroethane	2.92	64	85477	49.546	ug/l	100
7) Trichlorofluoromethane	3.26	101	150779	49.070	ug/l	95
8) Diethyl Ether	3.69	74	45430	46.700	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89258	47.835	ug/l	99
10) Methyl Iodide	4.27	142	92257	39.539	ug/l	97
11) Tert butyl alcohol	5.17	59	36936	235.030	ug/l	98
12) 1,1-Dichloroethene	4.03	96	78806	47.822	ug/l	99
13) Acrolein	3.89	56	21464	139.021	ug/l	99
14) Allyl chloride	4.67	41	137803	48.452	ug/l	98
15) Acrylonitrile	5.37	53	108645	260.231	ug/l	99
16) Acetone	4.12	43	116305	284.246	ug/l	99
17) Carbon Disulfide	4.38	76	237695	43.474	ug/l	98
18) Methyl Acetate	4.68	43	64826	66.796	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	220018	49.327	ug/l	98
20) Methylene Chloride	4.92	84	108497	54.264	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	90238	47.339	ug/l	96
22) Diisopropyl ether	6.32	45	288696	50.884	ug/l	94
23) Vinyl Acetate	6.26	43	782431	223.204	ug/l	100
24) 1,1-Dichloroethane	6.21	63	161858	49.231	ug/l	99
25) 2-Butanone	7.17	43	150778	263.576	ug/l	98
26) 2,2-Dichloropropane	7.17	77	142602	47.776	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	98216	48.167	ug/l	98
28) Bromochloromethane	7.51	49	62916	45.731	ug/l #	99
29) Tetrahydrofuran	7.53	42	99174	272.046	ug/l	99
30) Chloroform	7.68	83	162251	48.106	ug/l	99
31) Cyclohexane	7.95	56	158759	47.705	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	155760	50.782	ug/l	98
36) 1,1-Dichloropropene	8.09	75	136036	52.745	ug/l	99
37) Ethyl Acetate	7.25	43	63688	53.102	ug/l	100
38) Carbon Tetrachloride	8.07	117	139020	51.111	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	161059	50.065	ug/l	97
40) Benzene	8.32	78	366457	52.040	ug/l	100
41) Methacrylonitrile	7.49	41	36157	51.287	ug/l	95
42) 1,2-Dichloroethane	8.40	62	114429	51.297	ug/l	99
43) Isopropyl Acetate	8.43	43	128245	53.576	ug/l	97
44) Trichloroethene	9.09	130	100775	50.800	ug/l	97
45) 1,2-Dichloropropane	9.37	63	89573	51.474	ug/l	93
46) Dibromomethane	9.46	93	48993	50.616	ug/l	99
47) Bromodichloromethane	9.65	83	122980	52.221	ug/l	96
48) Methyl methacrylate	9.44	41	62200	54.255	ug/l	98
49) 1,4-Dioxane	9.45	88	17062	1100.734	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	355344	292.399	ug/l	100
52) Toluene	10.39	92	263467	55.129	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	121307	50.537	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	140142	51.190	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	69491	52.939	ug/l	93
56) Ethyl methacrylate	10.65	69	91913	53.894	ug/l	93
57) 1,3-Dichloropropane	10.93	76	123846	53.436	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	222399	259.285	ug/l	99
59) 2-Hexanone	10.97	43	249842	288.807	ug/l	100
60) Dibromochloromethane	11.13	129	83504	52.154	ug/l	99
61) 1,2-Dibromoethane	11.23	107	67392	51.866	ug/l	100
64) Tetrachloroethene	10.87	164	96918	53.281	ug/l	97
65) Chlorobenzene	11.66	112	280033	52.409	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	92891	51.415	ug/l	98
67) Ethyl Benzene	11.73	91	513635	53.773	ug/l	100
68) m/p-Xylenes	11.84	106	393612	103.135	ug/l	99
69) o-Xylene	12.16	106	188267	52.556	ug/l	99
70) Styrene	12.18	104	305005	52.923	ug/l	99
71) Bromoform	12.35	173	51060	52.577	ug/l #	99
73) Isopropylbenzene	12.46	105	513223	54.831	ug/l	99
74) N-amyl acetate	12.27	43	134578	57.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	86386	56.484	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63390m	56.233	ug/l	
77) Bromobenzene	12.75	156	122201	55.248	ug/l	99
78) n-propylbenzene	12.80	91	628161	54.864	ug/l	100
79) 2-Chlorotoluene	12.90	91	351350	54.049	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	425621	52.326	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	26352	56.830	ug/l	98
82) 4-Chlorotoluene	12.99	91	365361	53.335	ug/l	100
83) tert-Butylbenzene	13.21	119	372298	52.934	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	425303	50.511	ug/l	100
85) sec-Butylbenzene	13.38	105	542141	53.608	ug/l	99
86) p-Isopropyltoluene	13.50	119	488245	52.664	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	240463	52.399	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	241548	53.405	ug/l	100
89) n-Butylbenzene	13.83	91	443874	51.105	ug/l	99
90) Hexachloroethane	14.10	117	84785	55.864	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	218349	53.399	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16937	61.220	ug/l	98

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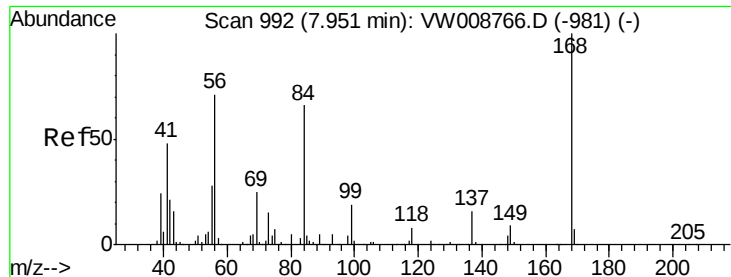
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	147639	50.112	ug/l	99
94) Hexachlorobutadiene	15.24	225	91288	52.603	ug/l	98
95) Naphthalene	15.37	128	265463	52.921	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	128615	50.490	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:168 Resp: 188211

Ion Ratio Lower Upper

168 100

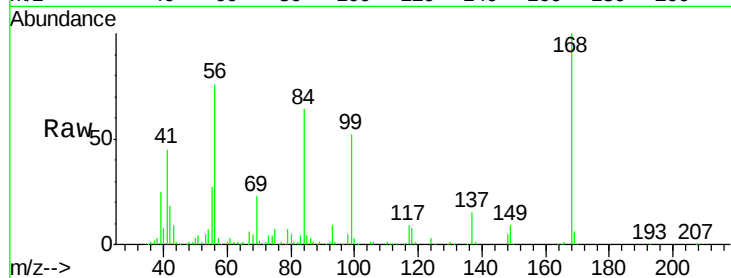
99 51.6 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

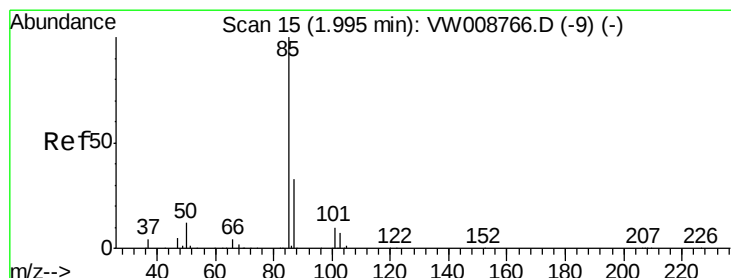
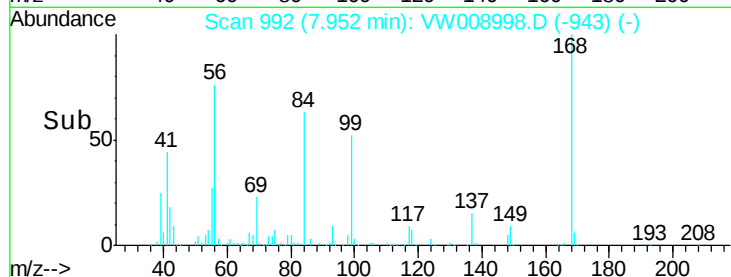
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 47.323 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008998.D

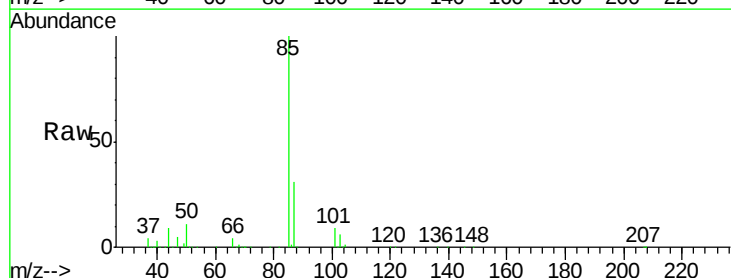
Acq: 05 Mar 2019 15:54

Tgt Ion: 85 Resp: 89208

Ion Ratio Lower Upper

85 100

87 31.0 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

60000

40000

20000

0

1.90

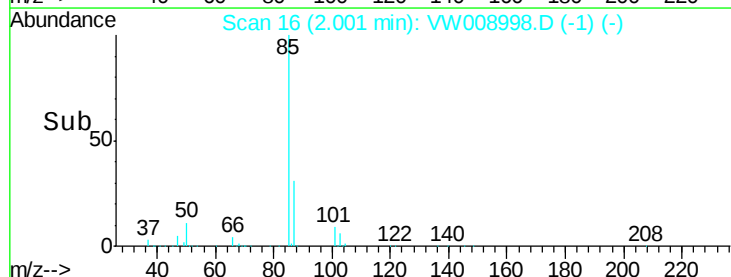
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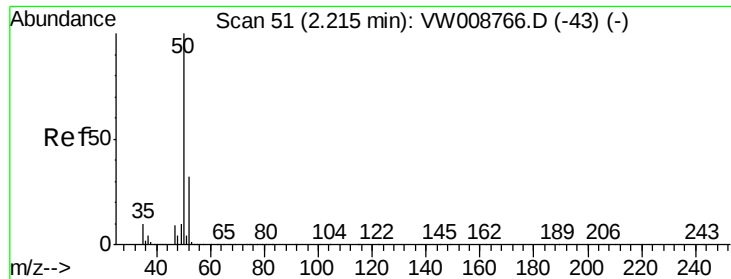
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 48.576 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion: 50 Resp: 111465

Ion Ratio Lower Upper

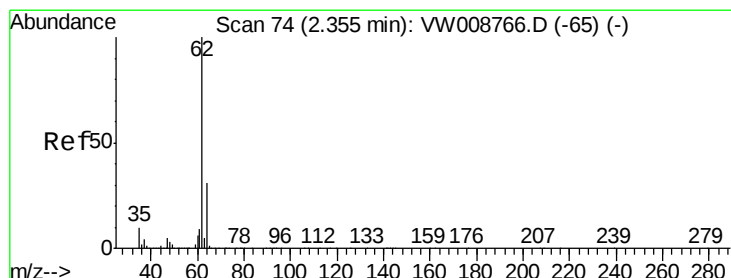
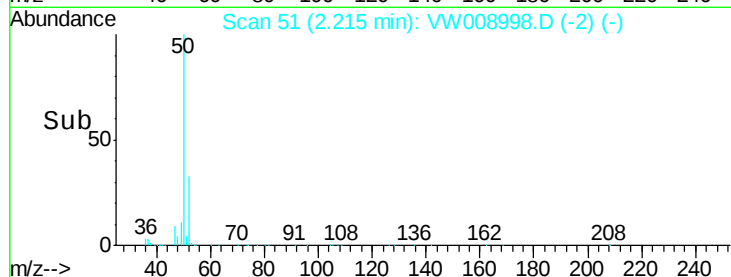
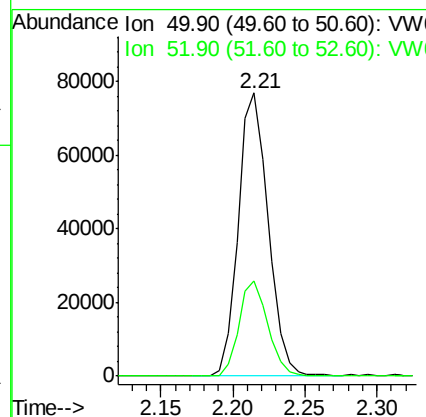
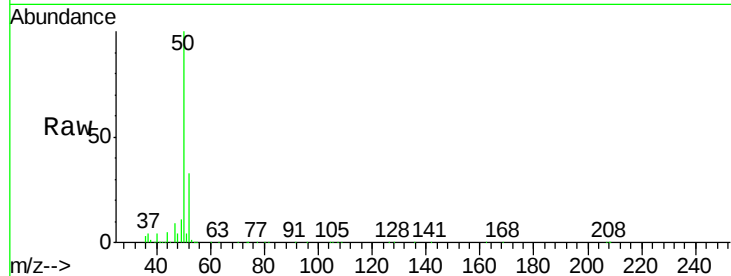
50 100

52 33.4 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.685 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008998.D

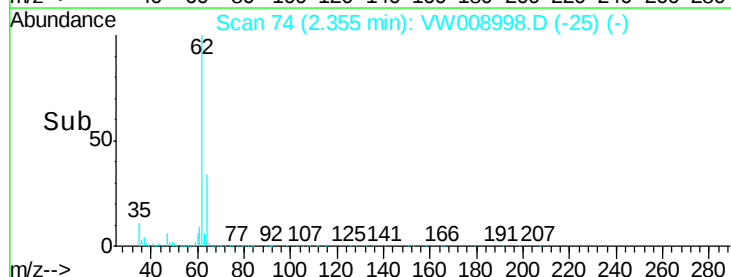
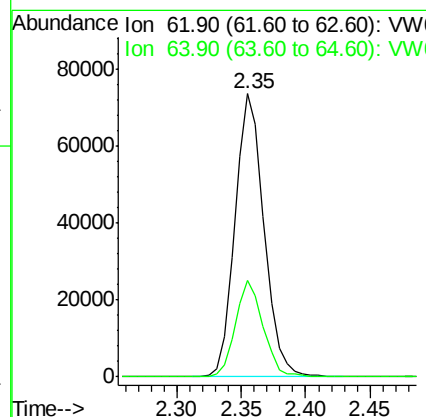
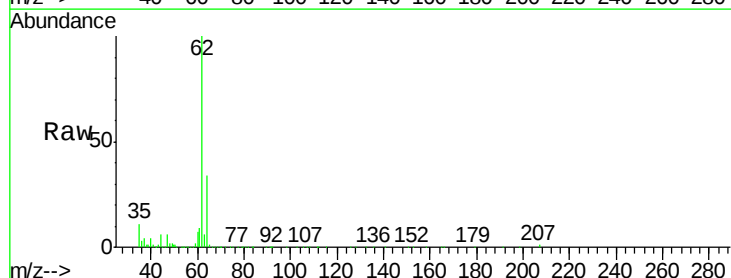
Acq: 05 Mar 2019 15:54

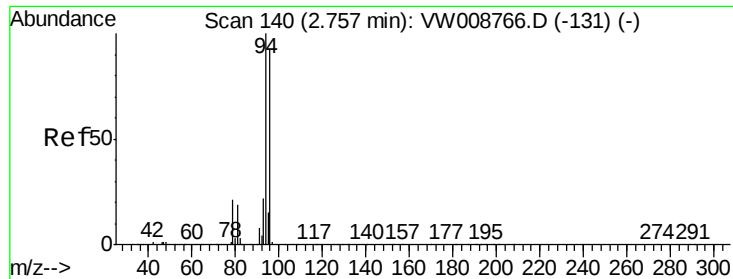
Tgt Ion: 62 Resp: 115852

Ion Ratio Lower Upper

62 100

64 33.9 24.9 37.3





#5

Bromomethane

Concen: 47.953 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

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Tot Ion: 94 Resp: 86533

Ion Ratio Lower Upper

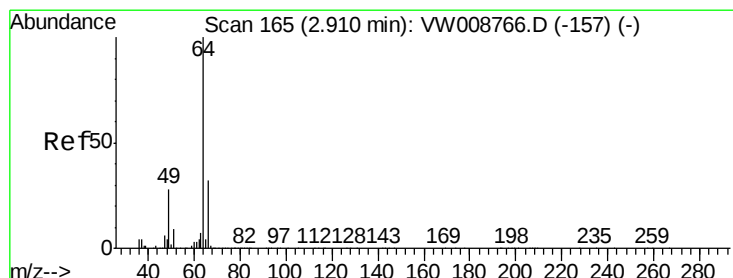
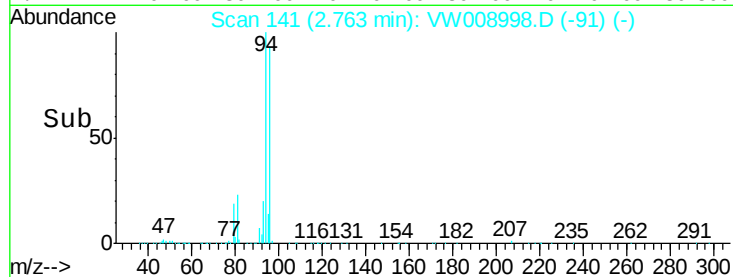
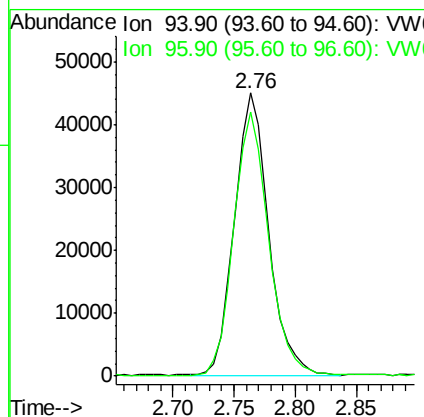
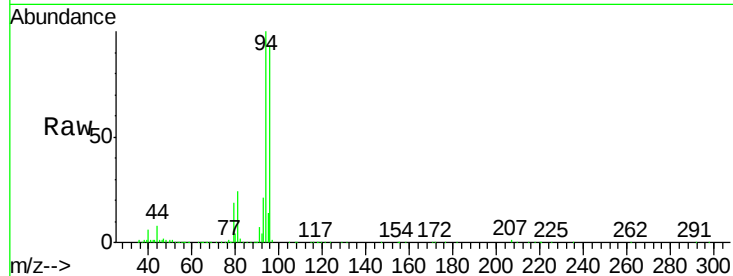
94 100

96 93.3 73.4 110.2

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#6

Chloroethane

Concen: 49.546 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008998.D

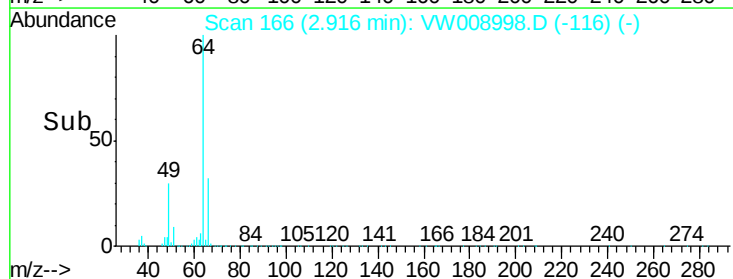
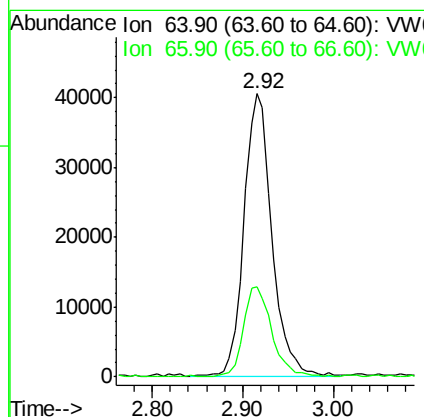
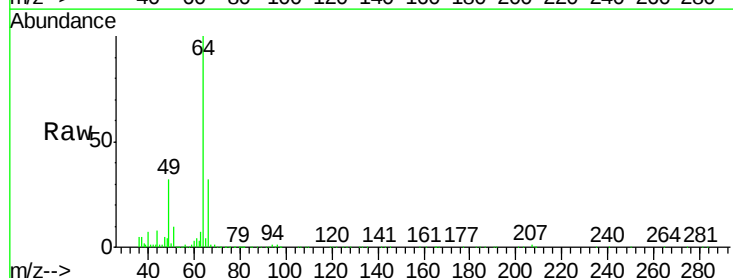
Acq: 05 Mar 2019 15:54

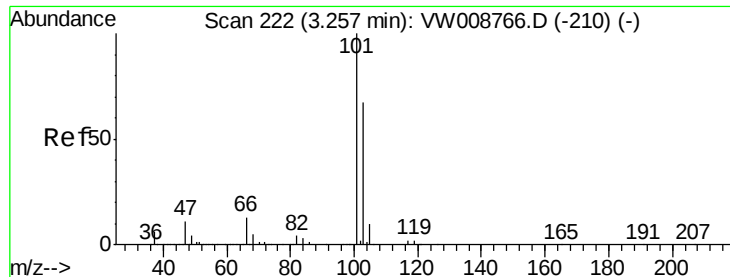
Tgt Ion: 64 Resp: 85477

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3





#7

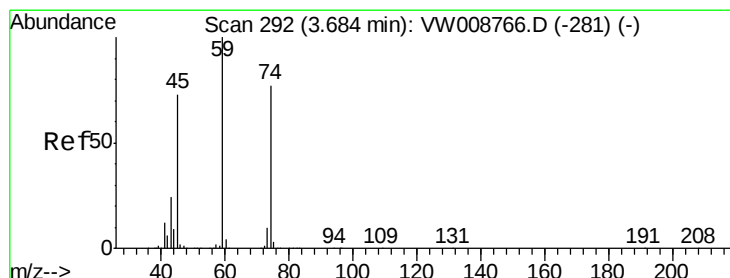
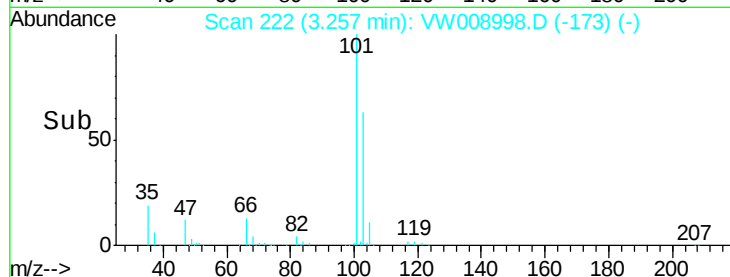
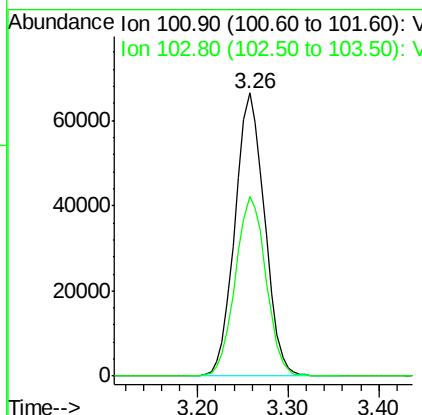
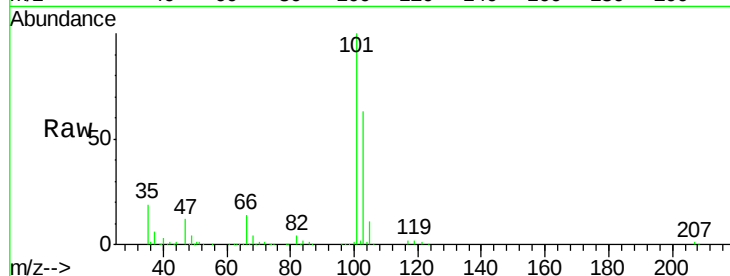
Trichlorofluoromethane
 Concen: 49.070 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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 A0C12-2-1.5-2.0MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.9	80.9

Manual Integrations
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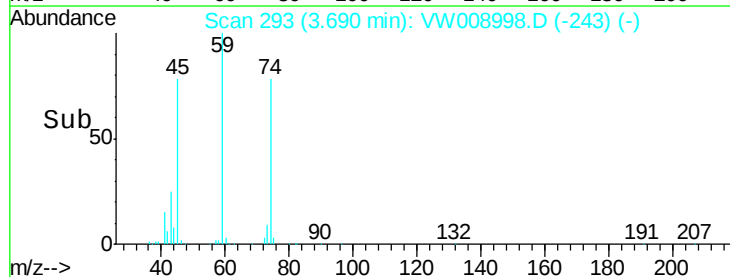
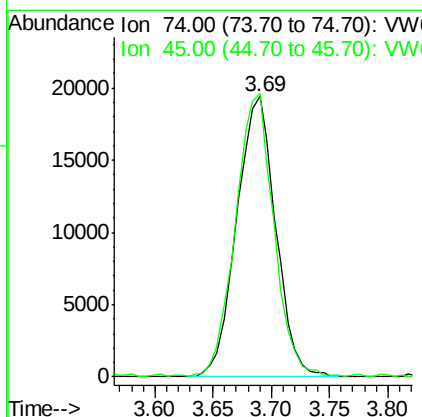
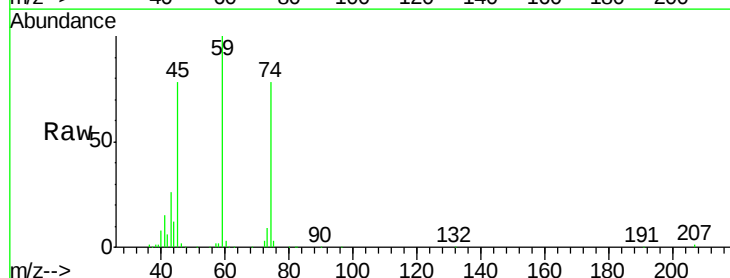
MMDadoda
 3/6/2019 3:22:12 PM

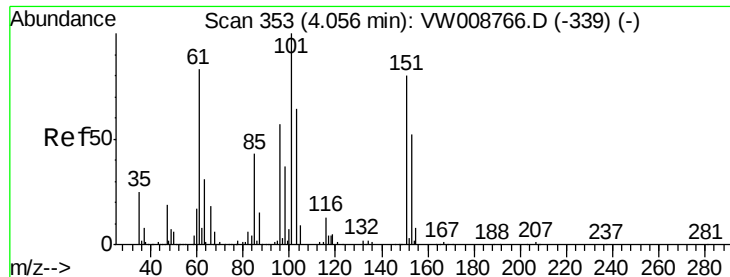


#8

Diethyl Ether
 Concen: 46.700 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.835 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

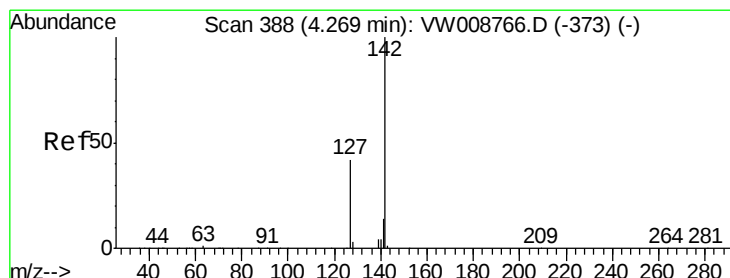
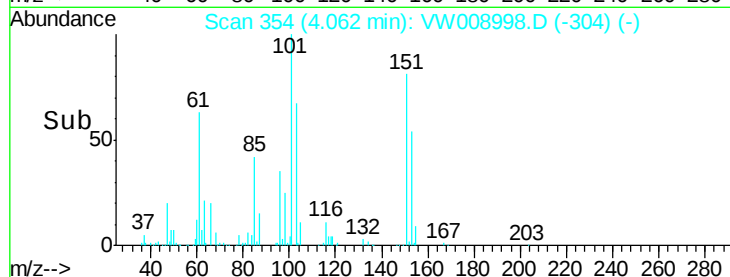
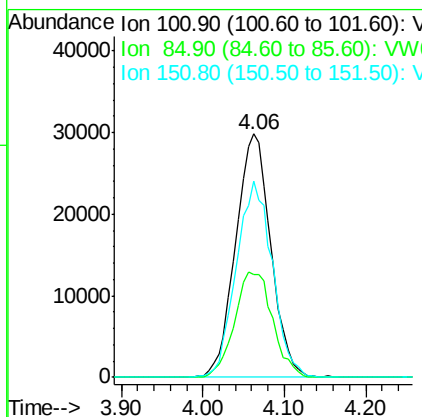
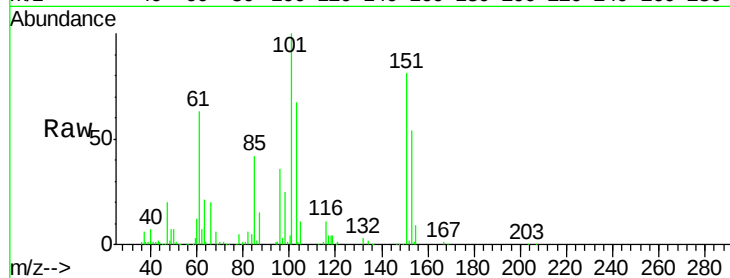
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:	101	Resp:	89258
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.0	54.0
151	82.8	65.5	98.3

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3/6/2019 3:22:12 PM



#10

Methyl Iodide

Concen: 39.539 ug/l

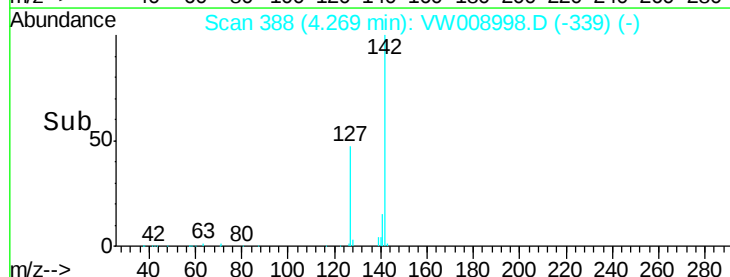
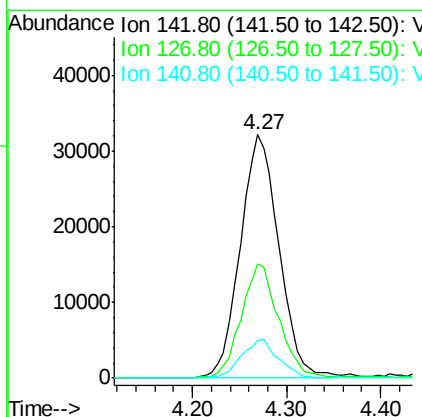
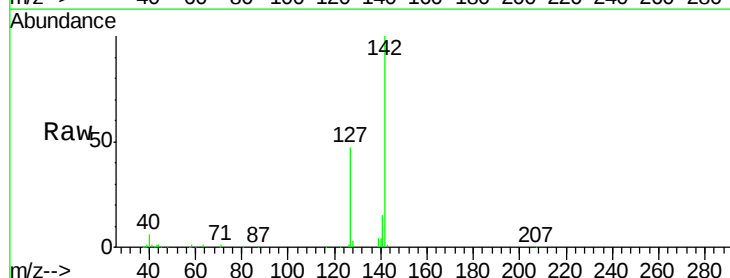
RT: 4.27 min Scan# 388

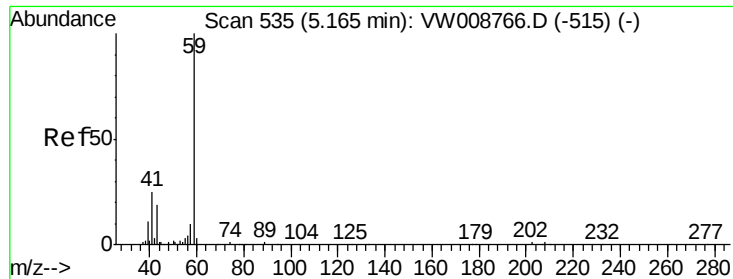
Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion:	142	Resp:	92257
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.3	52.9
141	15.1	11.7	17.5





#11

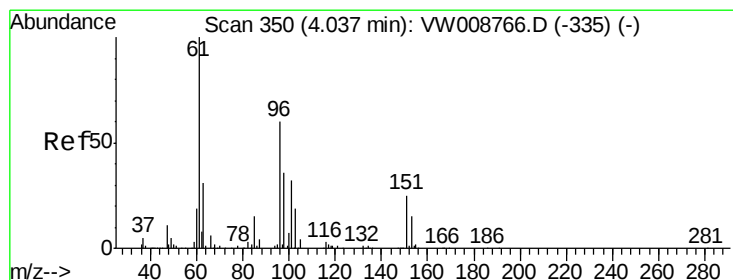
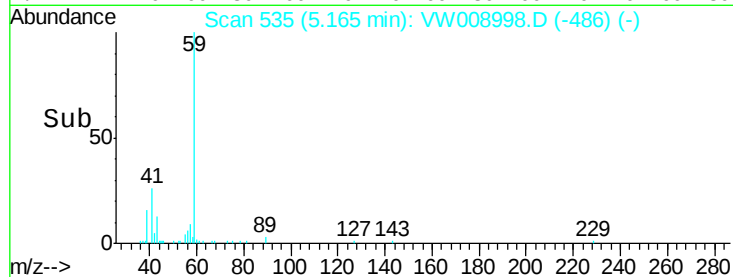
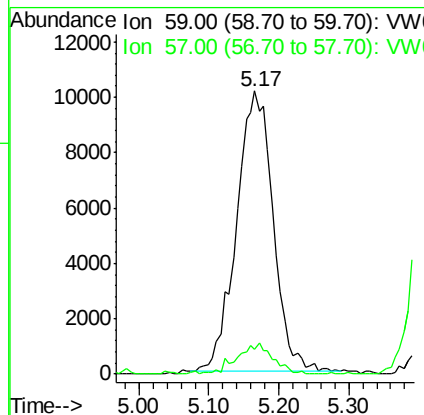
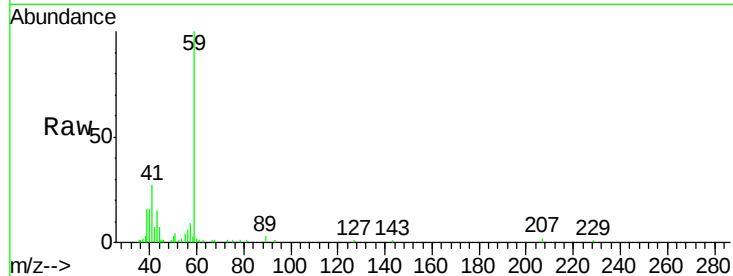
Tert butyl alcohol
Concen: 235.030 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.3	13.9

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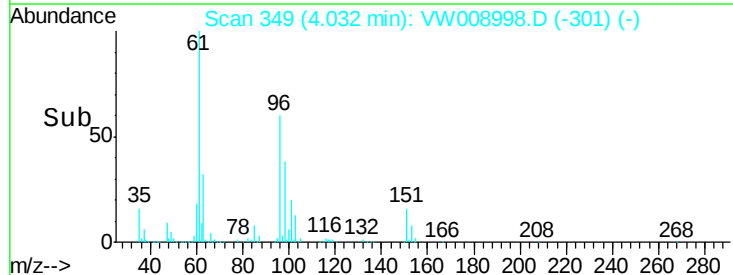
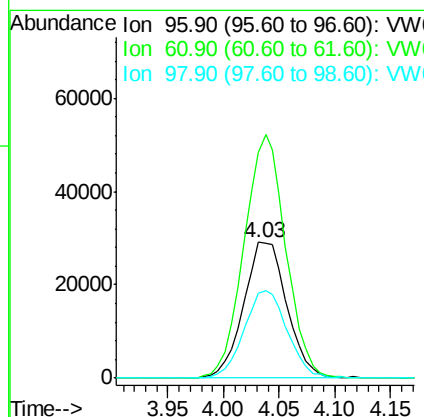
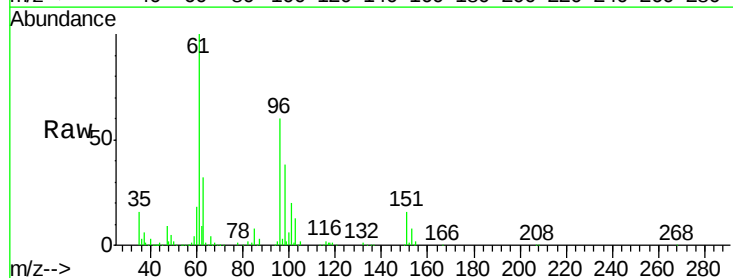
MMDadoda
3/6/2019 3:22:12 PM

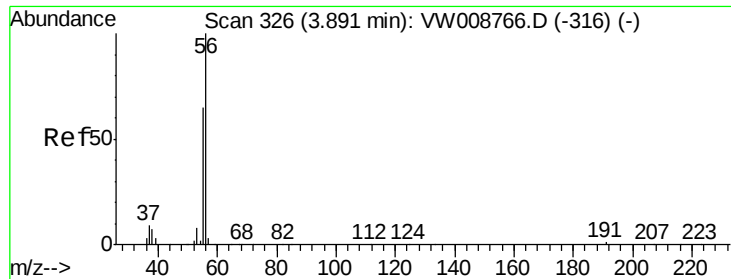


#12

1,1-Dichloroethene
Concen: 47.822 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	132.5	198.7
98	62.4	48.2	72.4





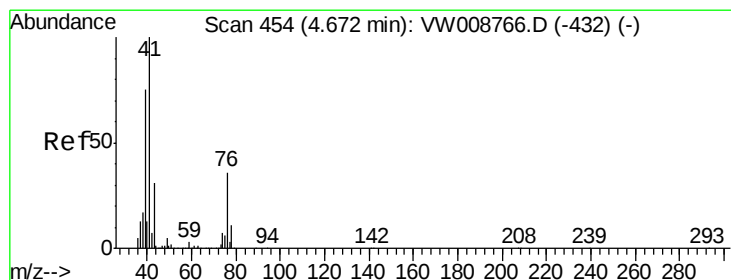
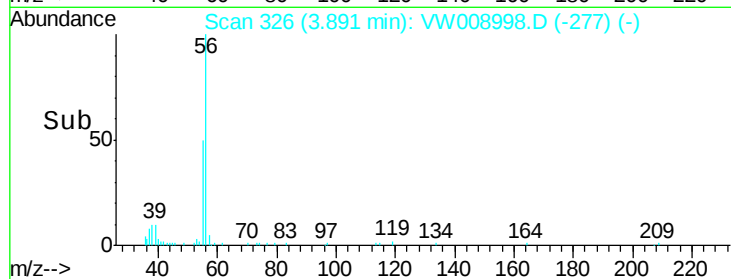
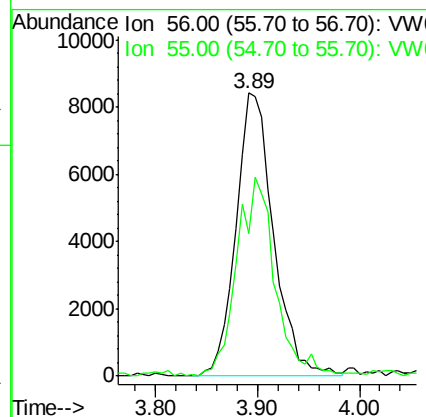
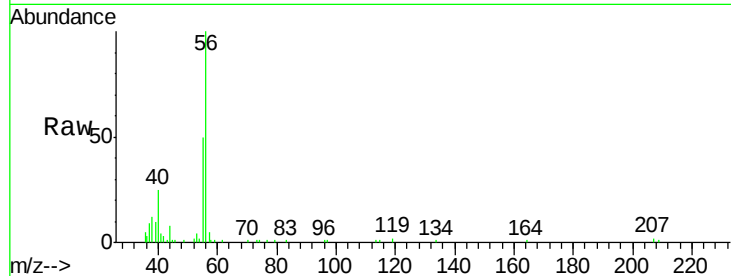
#13
Acrolein
Concen: 139.021 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	56	55	Ratio	Lower	Upper
21464	100	72.3		56.9	85.3

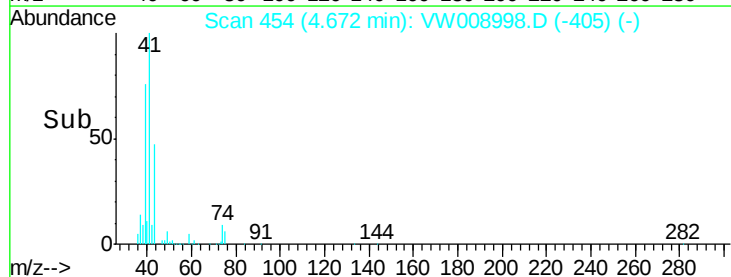
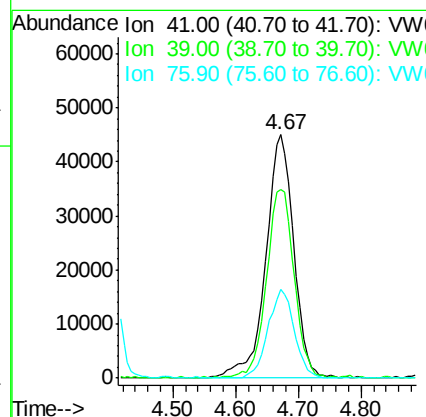
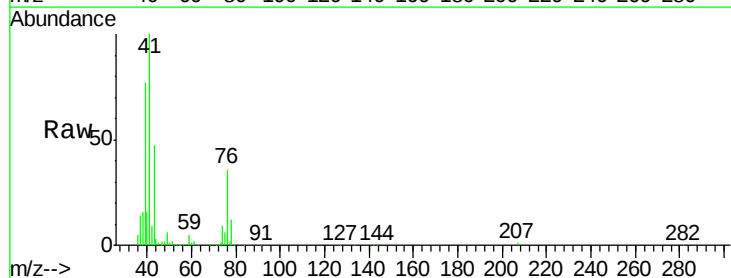
Manual Integrations
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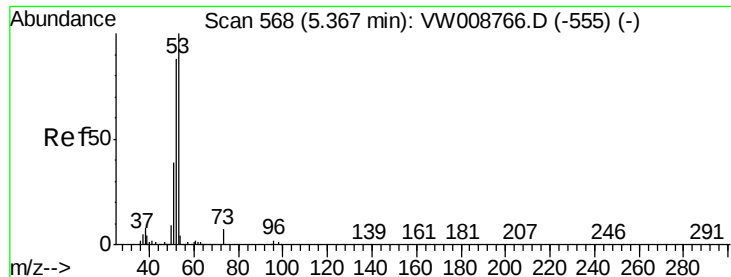
MMDadoda
3/6/2019 3:22:12 PM



#14
Allyl chloride
Concen: 48.452 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	41	39	76	Ratio	Lower	Upper
137803	100	77.0	34.4		60.6	91.0
					28.6	42.8





#15

Acrylonitrile

Concen: 260.231 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

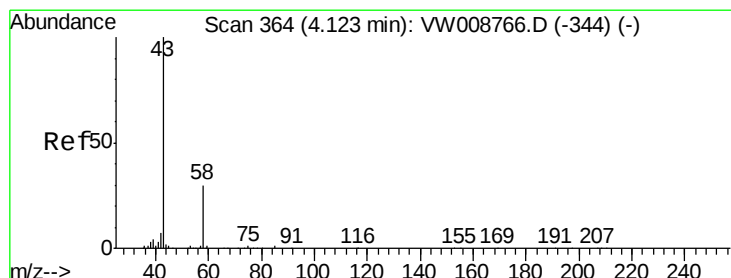
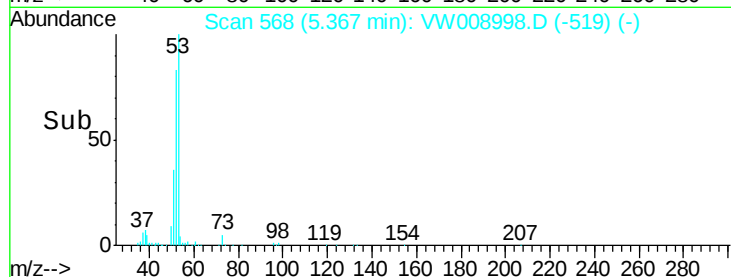
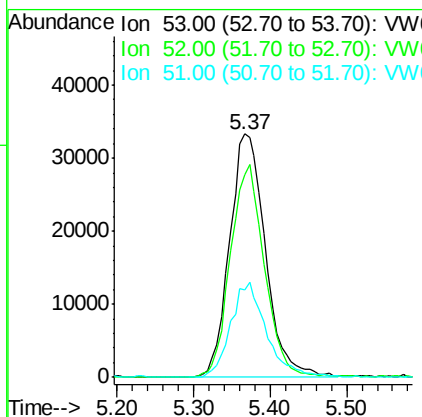
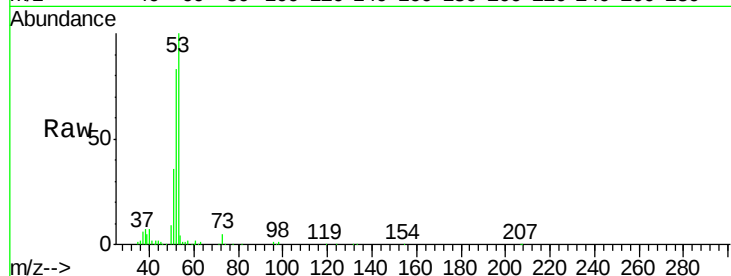
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:	53	Resp:	108645
Ion Ratio	Lower	Upper	
53	100		
52	82.2	67.2	100.8
51	38.7	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 284.246 ug/l

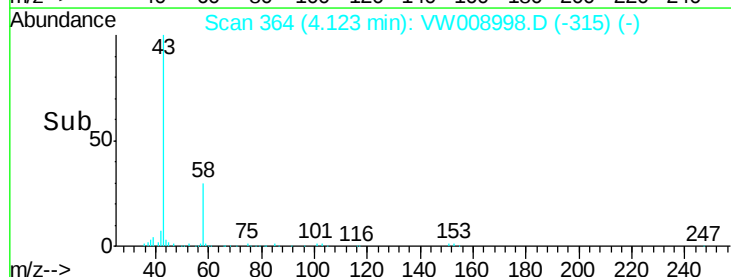
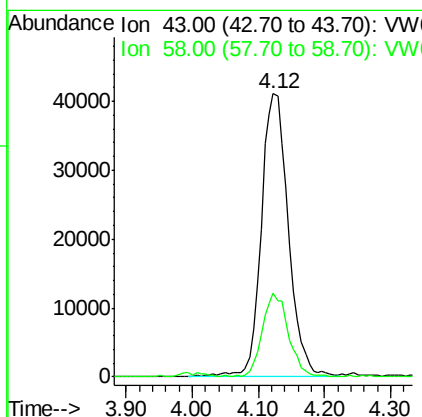
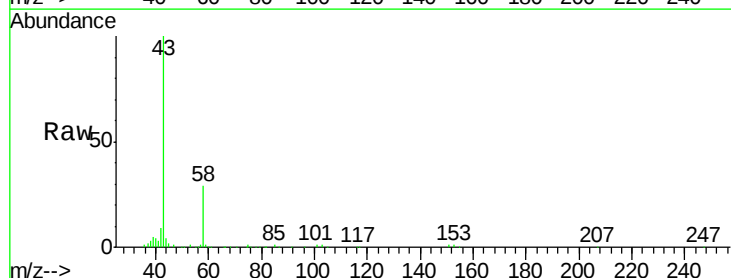
RT: 4.12 min Scan# 364

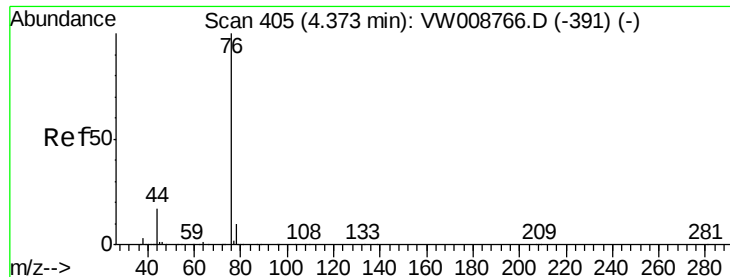
Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion:	43	Resp:	116305
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.8	35.6





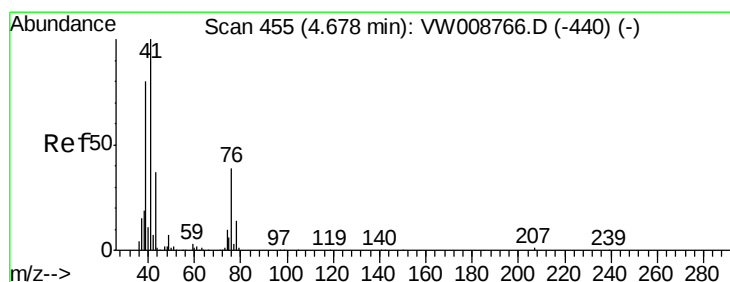
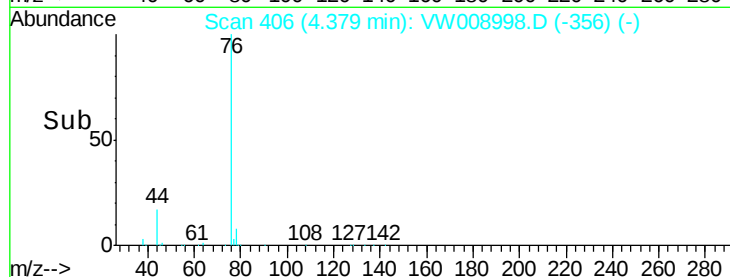
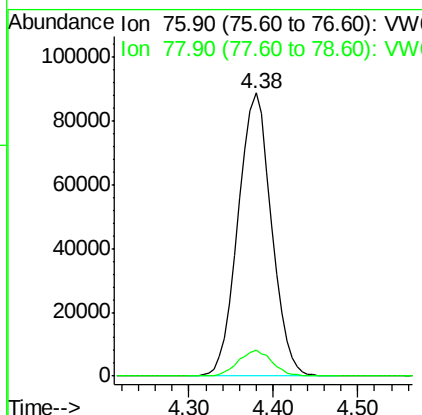
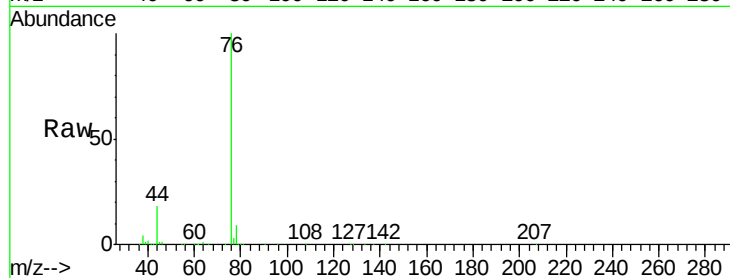
#17
Carbon Disulfide
Concen: 43.474 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.8	11.8

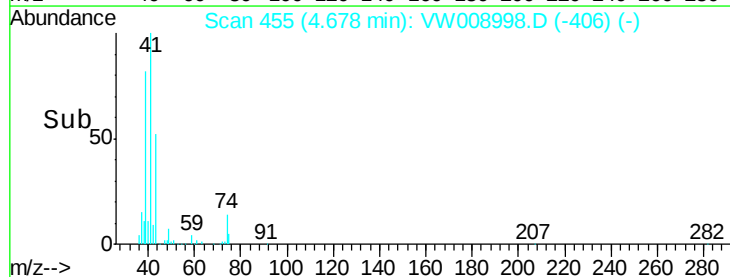
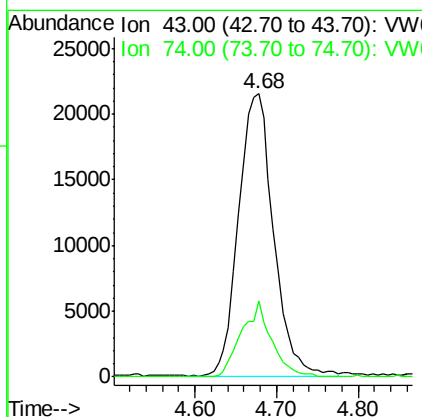
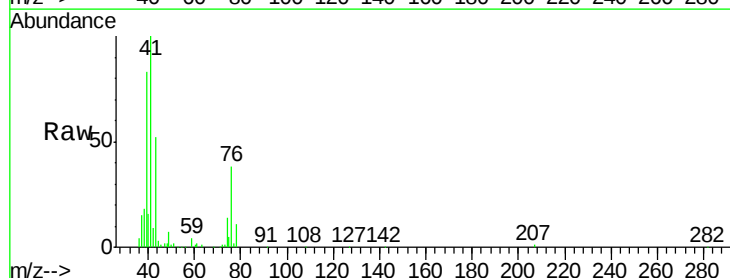
Manual Integrations
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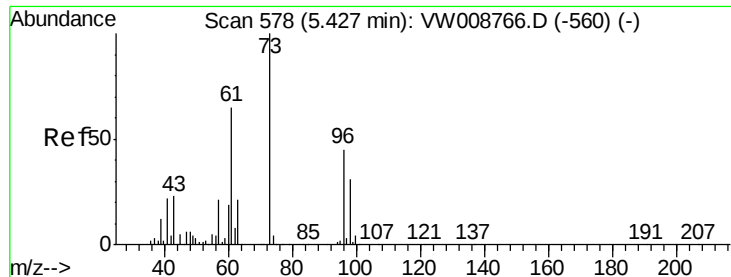
MMDadoda
3/6/2019 3:22:12 PM



#18
Methyl Acetate
Concen: 66.796 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.4	29.2





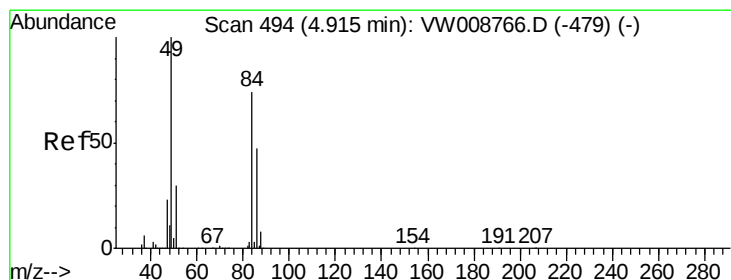
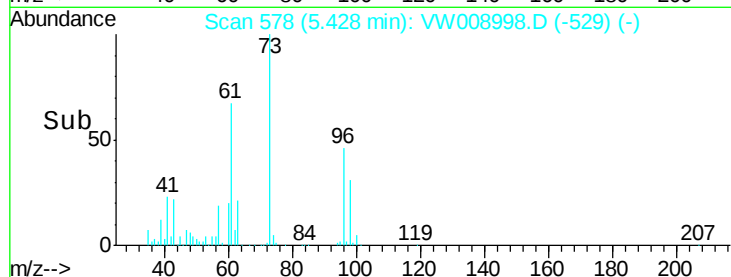
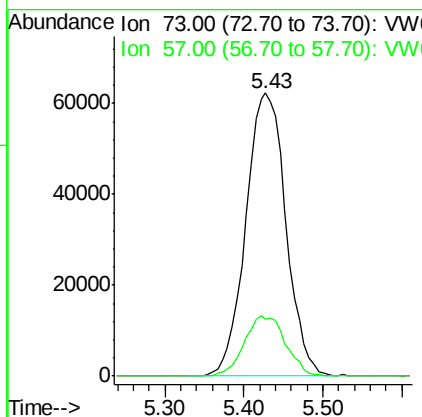
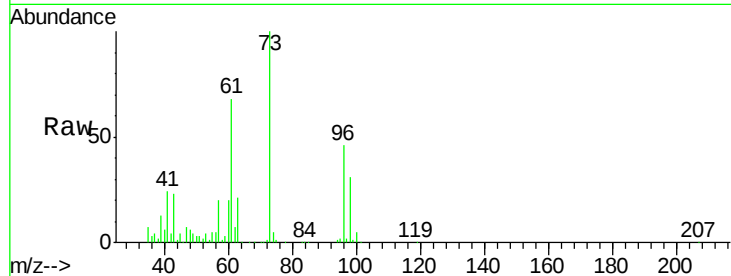
#19
Methvl tert-butvl Ether
Concen: 49.327 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion: 73 Resp: 220018
Ion Ratio Lower Upper
73 100
57 20.0 16.8 25.2

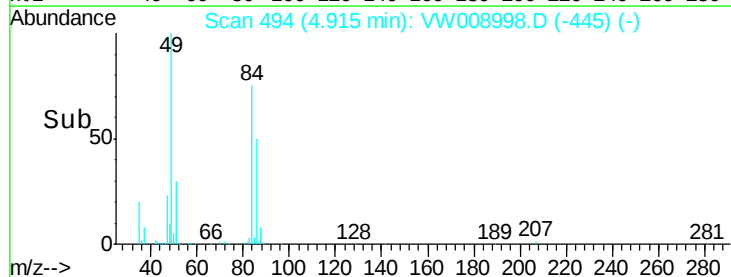
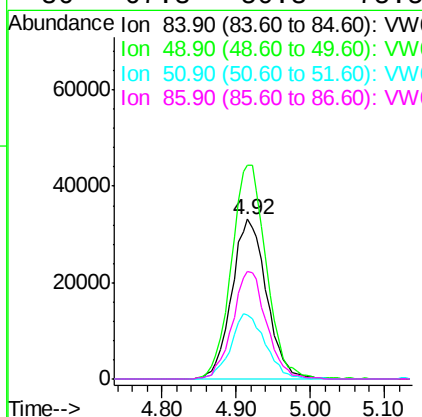
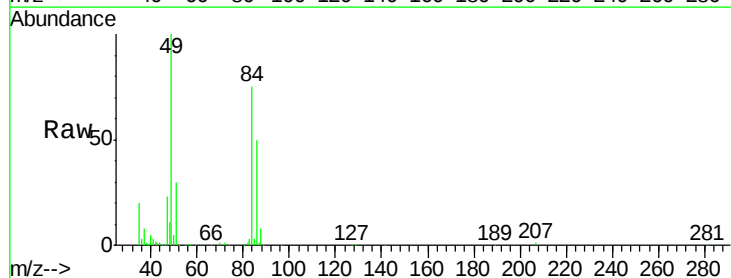
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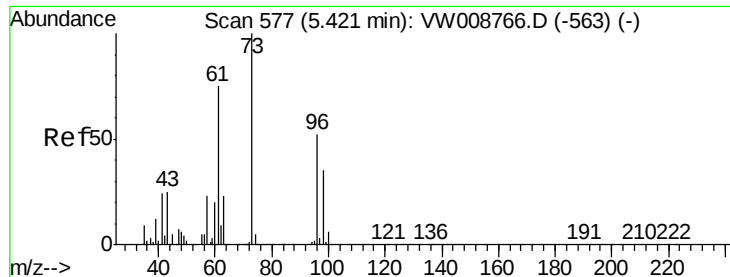
MMDadoda
3/6/2019 3:22:12 PM



#20
Methylene Chloride
Concen: 54.264 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion: 84 Resp: 108497
Ion Ratio Lower Upper
84 100
49 133.8 108.2 162.2
51 40.3 32.7 49.1
86 67.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 47.339 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

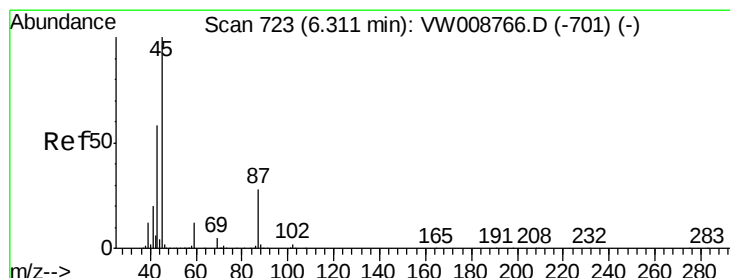
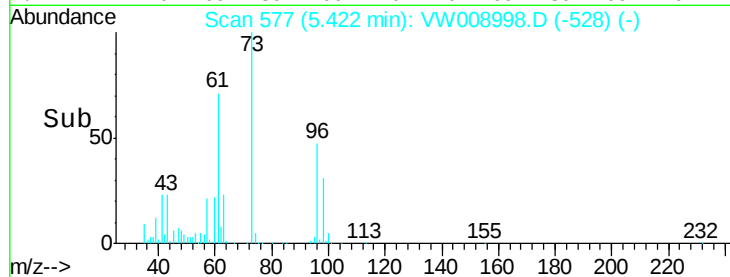
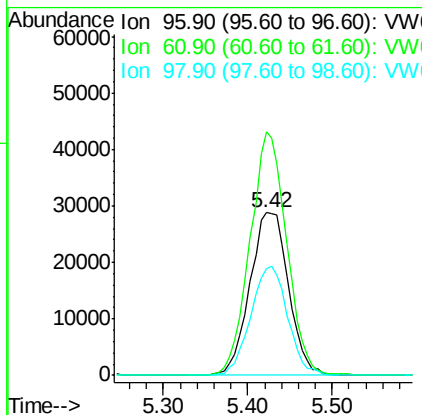
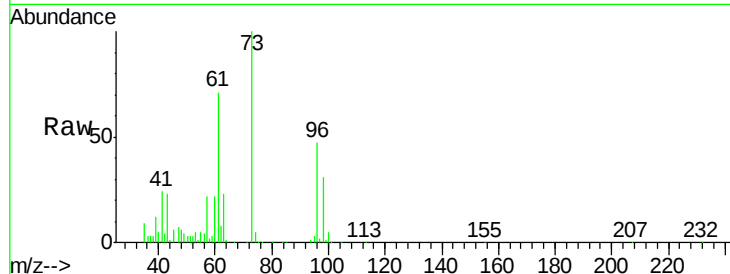
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:	96	Resp:	90238
Ion	Ratio	Lower	Upper
96	100		
61	149.8	114.6	171.8
98	65.5	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.884 ug/l

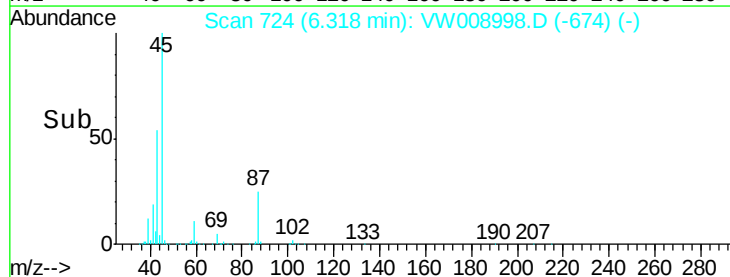
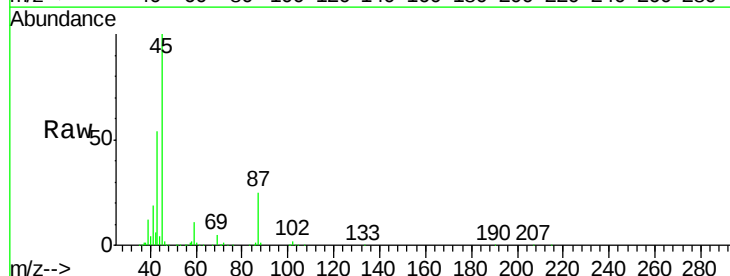
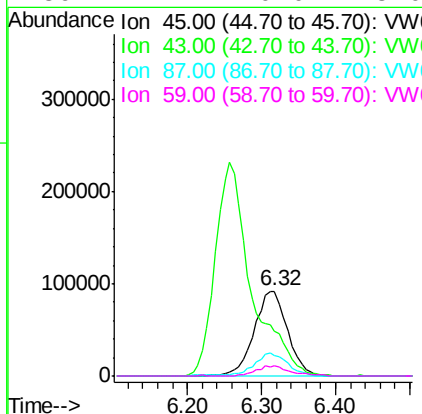
RT: 6.32 min Scan# 724

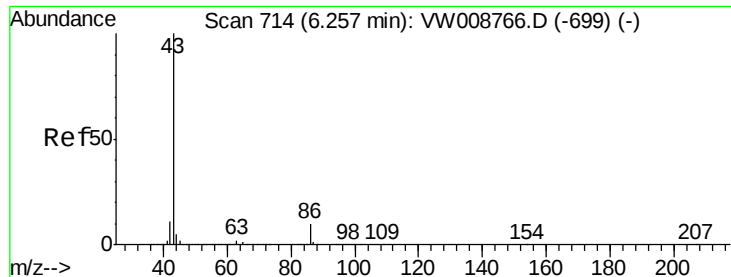
Delta R.T. 0.01 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion:	45	Resp:	288696
Ion	Ratio	Lower	Upper
45	100		
43	53.0	46.1	69.1
87	24.6	22.2	33.4
59	11.2	10.0	15.0





#23

Vinyl Acetate

Concen: 223.204 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion: 43 Resp: 782431

Ion Ratio Lower Upper

43 100

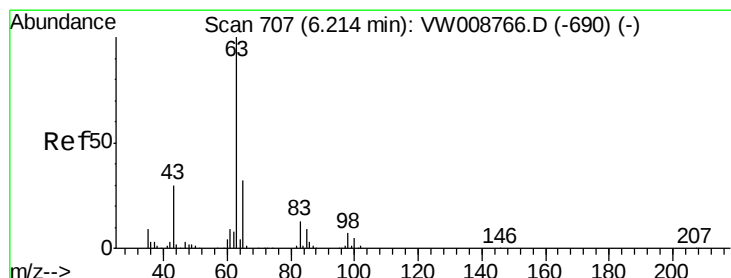
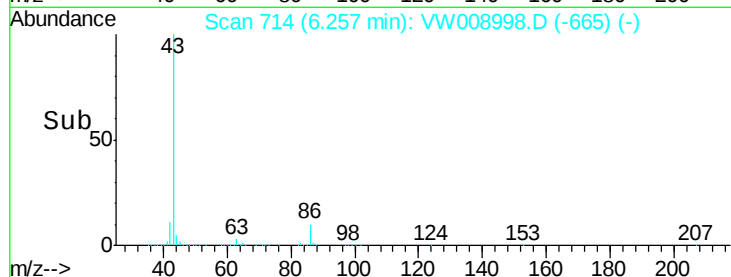
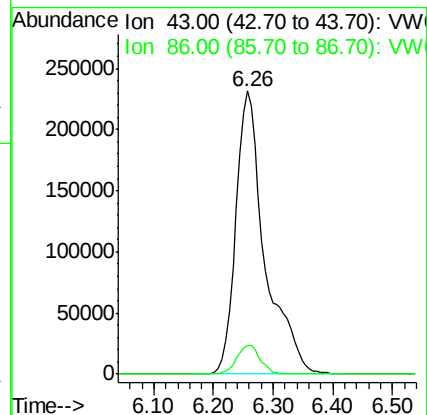
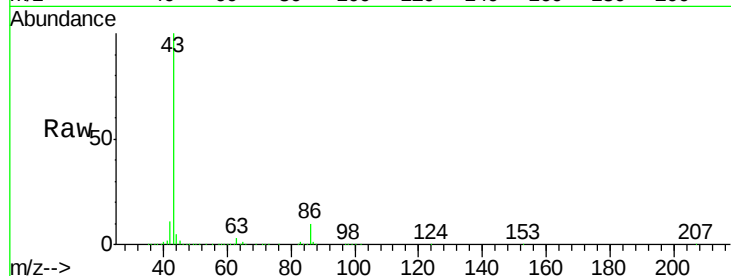
86 10.3 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.231 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

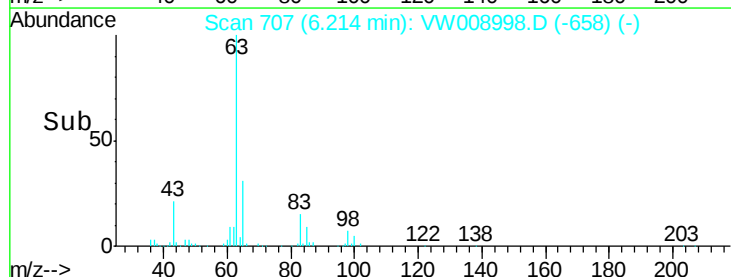
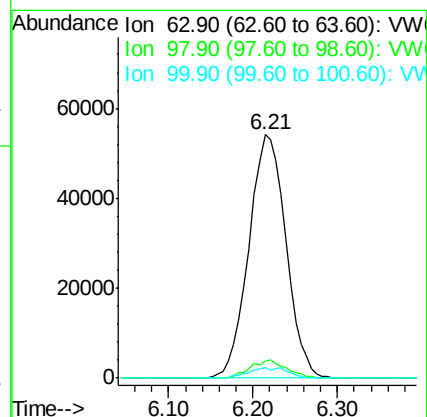
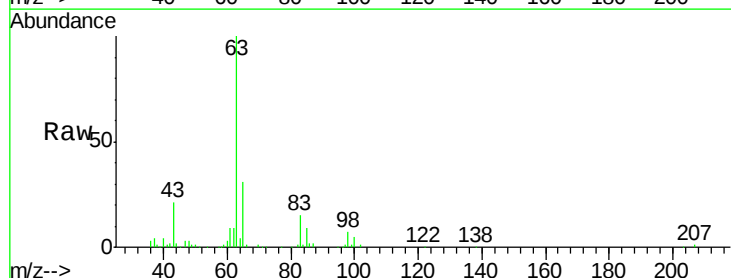
Tgt Ion: 63 Resp: 161858

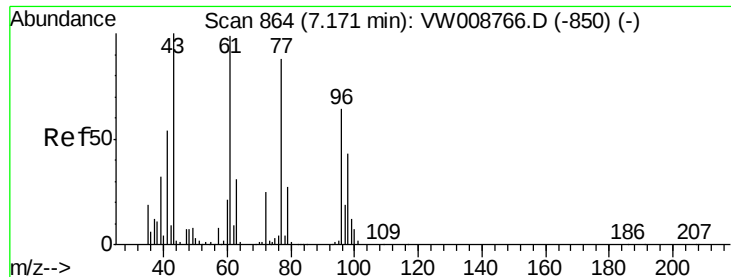
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 263.576 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion: 43 Resp: 150778

Ion Ratio Lower Upper

43 100

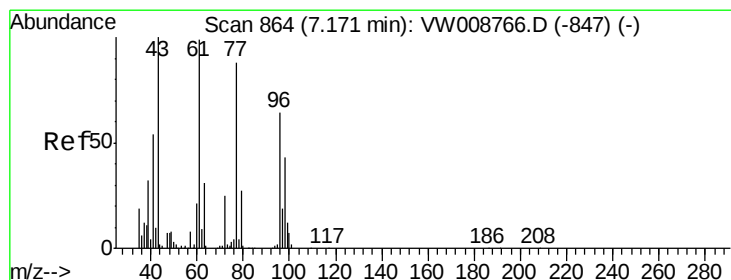
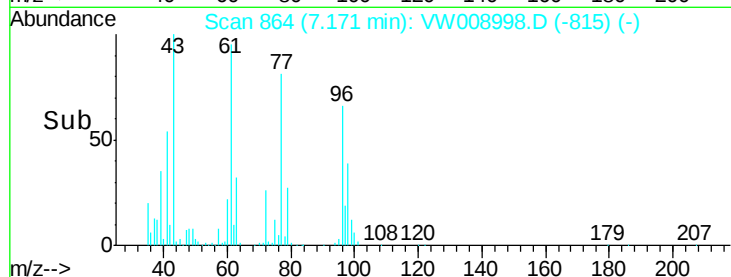
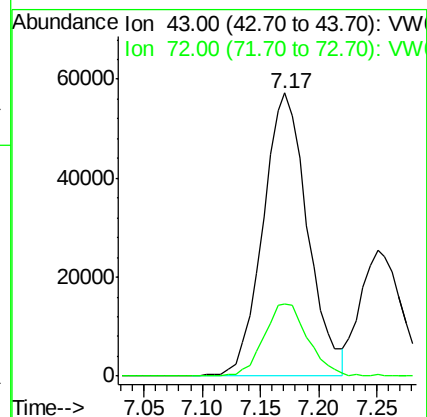
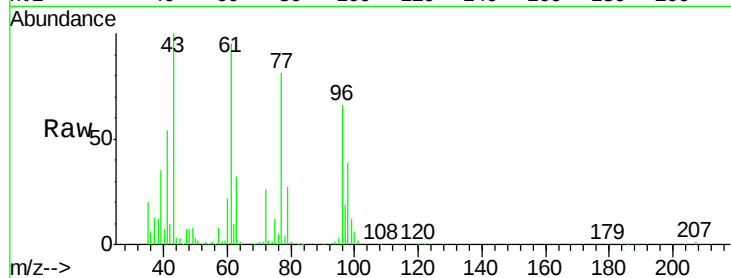
72 25.6 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.776 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008998.D

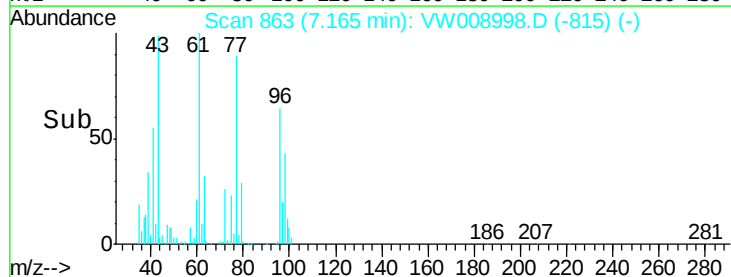
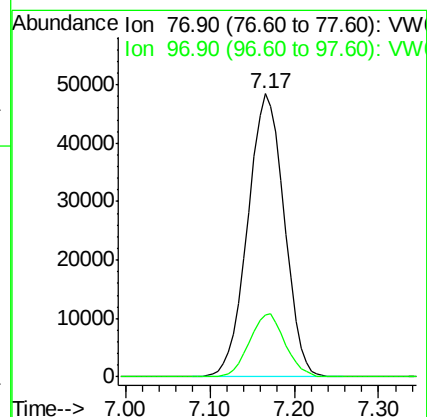
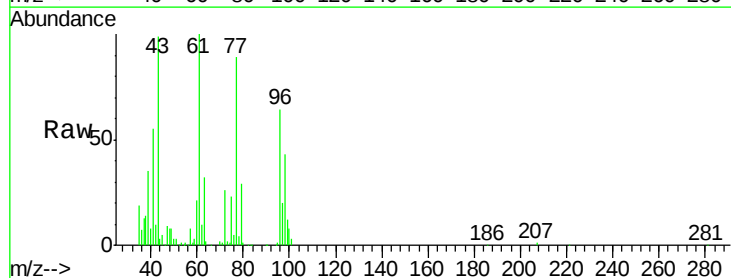
Acq: 05 Mar 2019 15:54

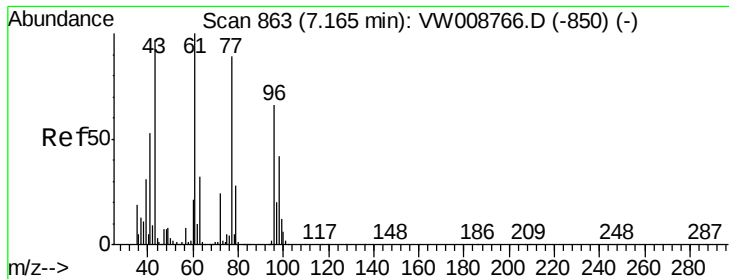
Tgt Ion: 77 Resp: 142602

Ion Ratio Lower Upper

77 100

97 21.8 11.0 33.0





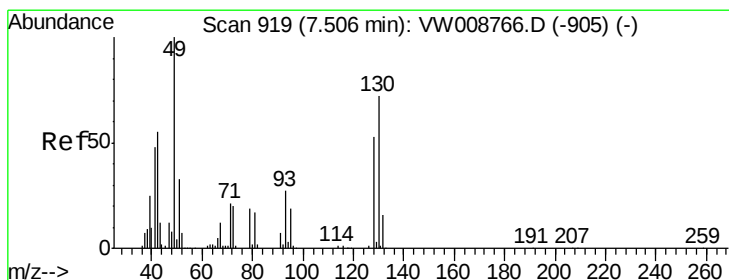
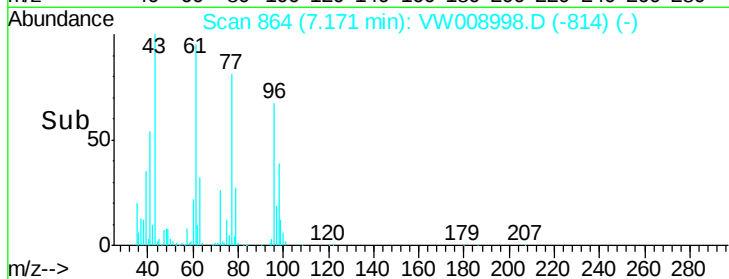
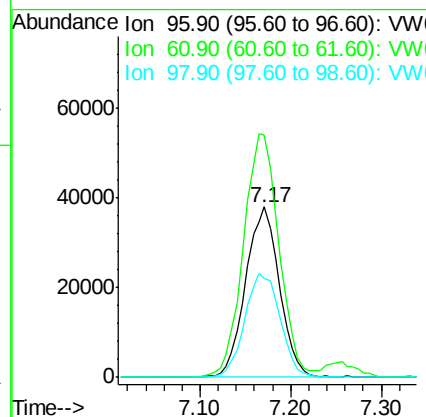
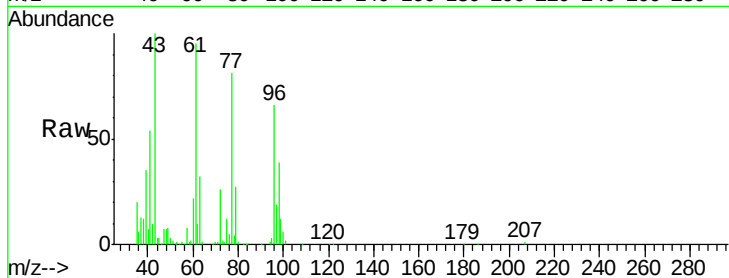
#27
 cis-1,2-Dichloroethene
 Concen: 48.167 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.5	0.0	302.6	
98	63.7	0.0	130.0	

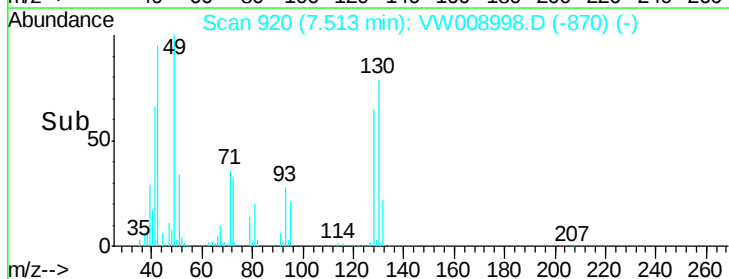
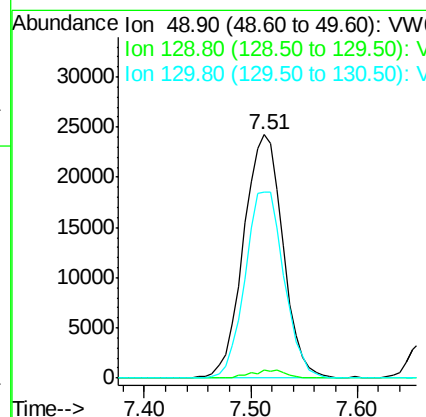
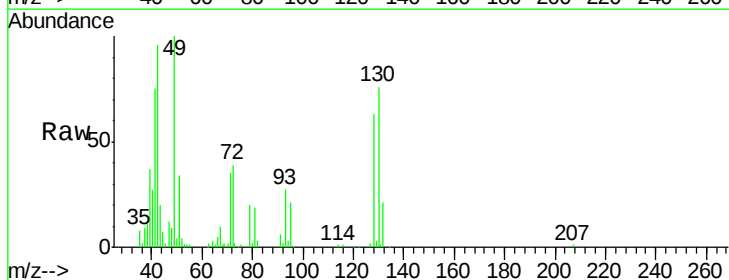
Manual Integrations
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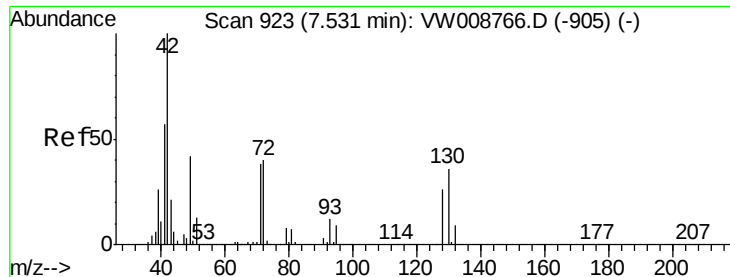
MMDadoda
 3/6/2019 3:22:12 PM



#28
 Bromochloromethane
 Concen: 45.731 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.9	0.0	2.6#	
130	75.8	61.3	91.9	





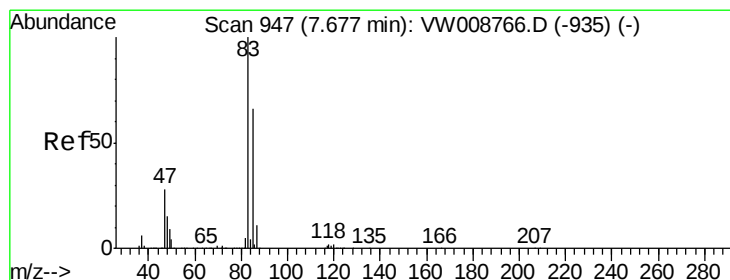
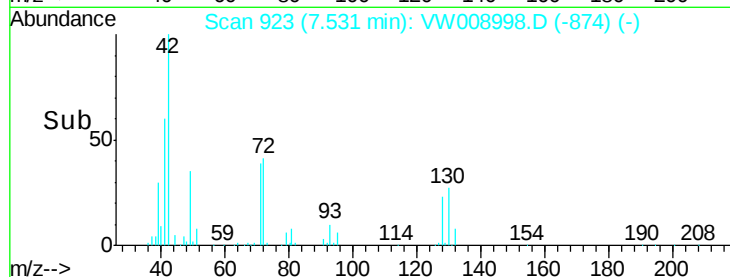
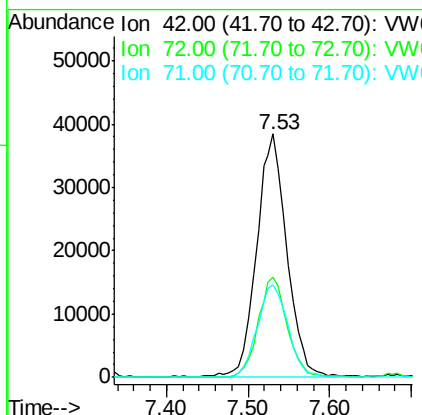
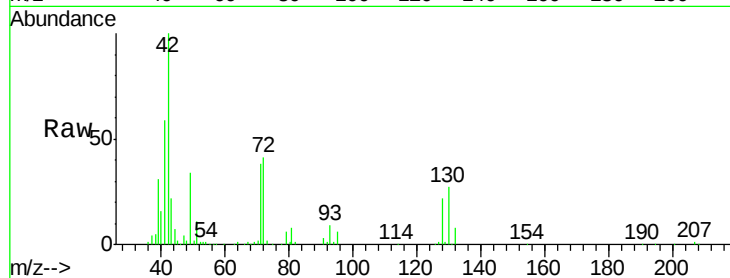
#29
Tetrahydrofuran
Concen: 272.046 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.7	49.1
71	38.6	31.3	46.9

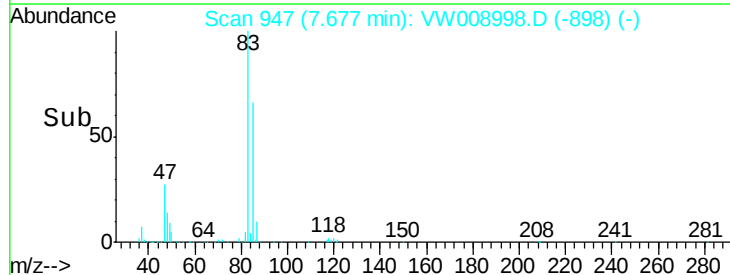
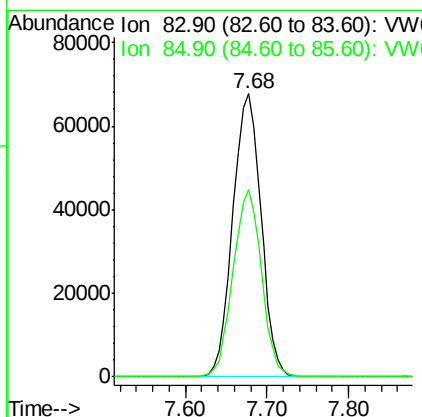
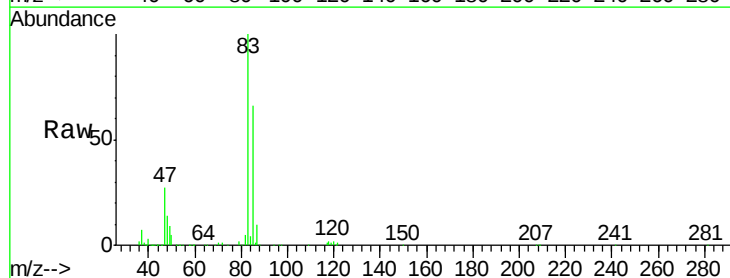
Manual Integrations
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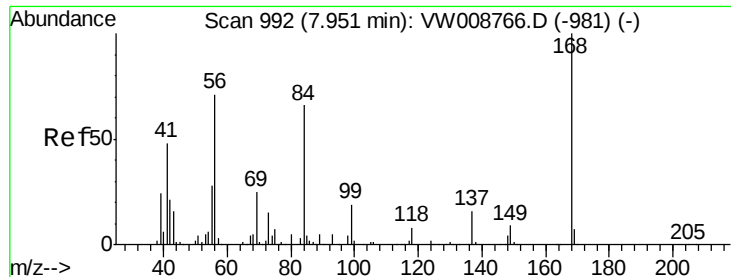
MMDadoda
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#30
Chloroform
Concen: 48.106 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	79.0





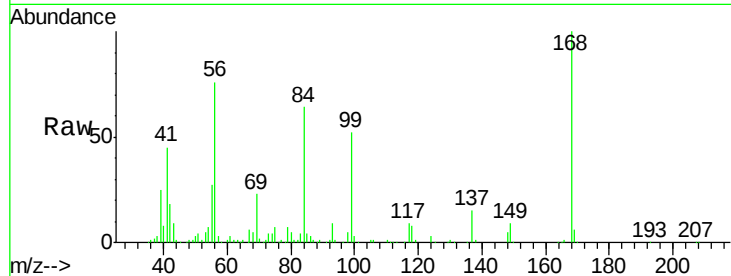
#31
Cvclohexane
Concen: 47.705 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	28.2	42.4
84	83.2	74.1	111.1

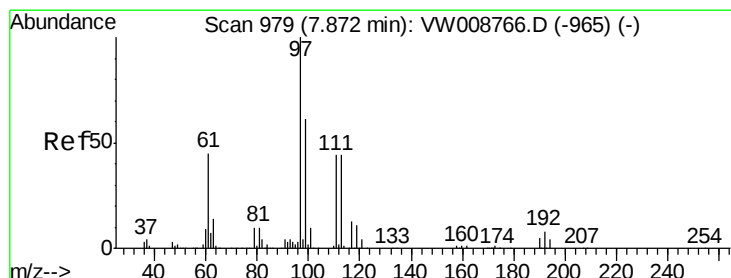
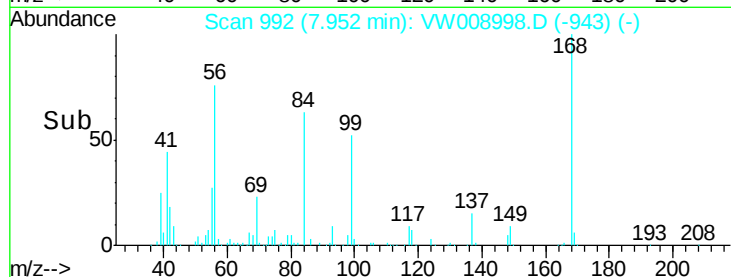
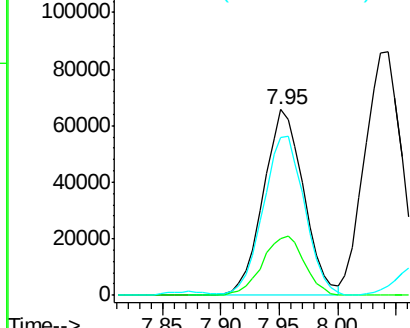
Manual Integrations
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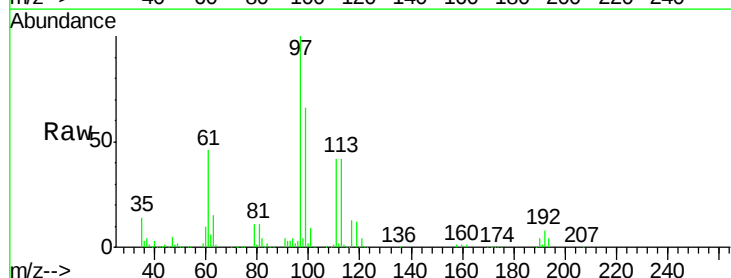
Abundance

Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



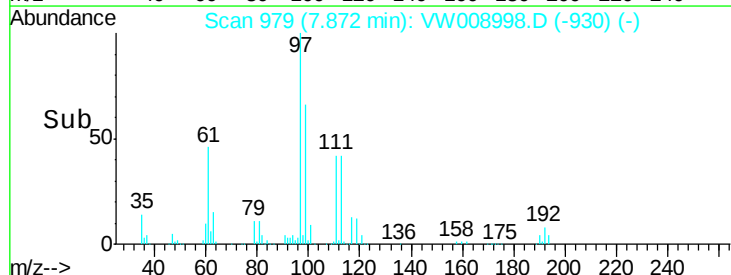
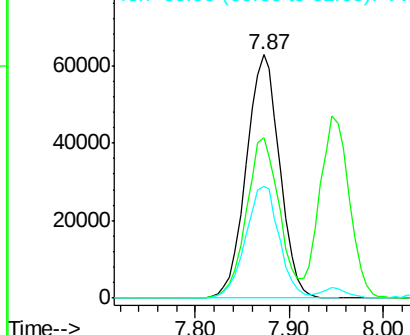
#32
1,1,1-Trichloroethane
Concen: 50.782 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

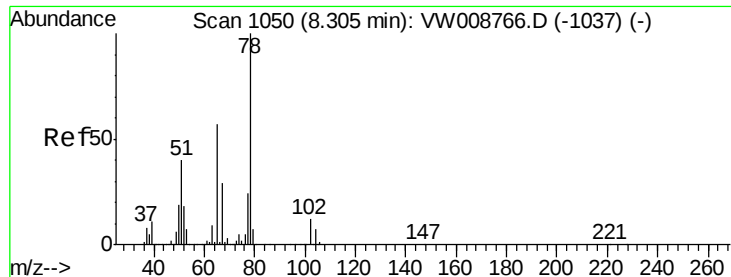
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.8	76.2
61	46.5	36.0	54.0



Abundance

Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





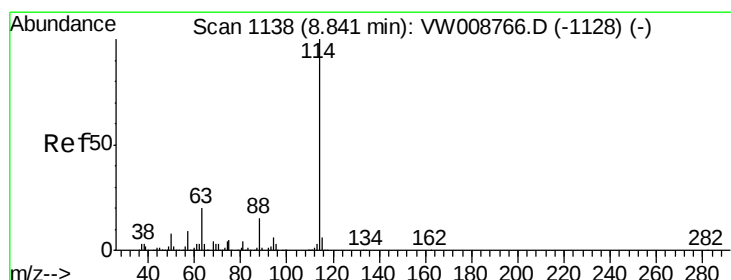
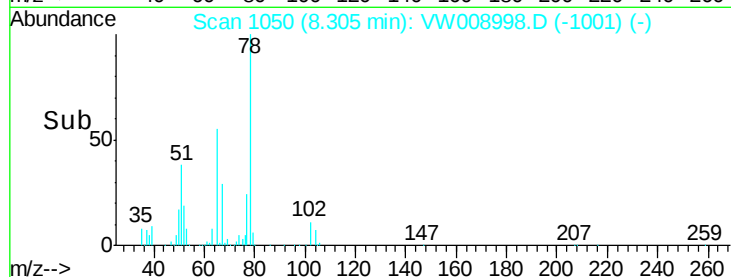
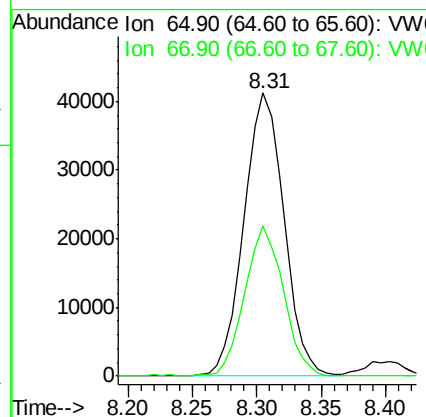
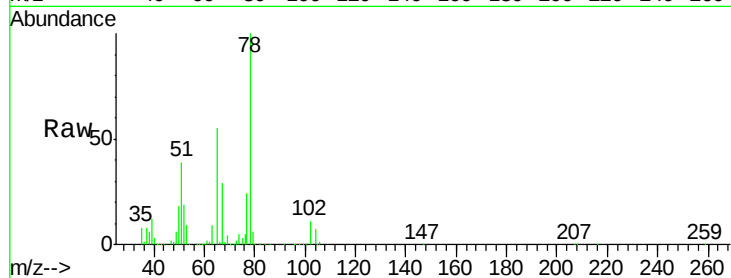
#33
 1,2-Dichloroethane-d4
 Concen: 50.416 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.4

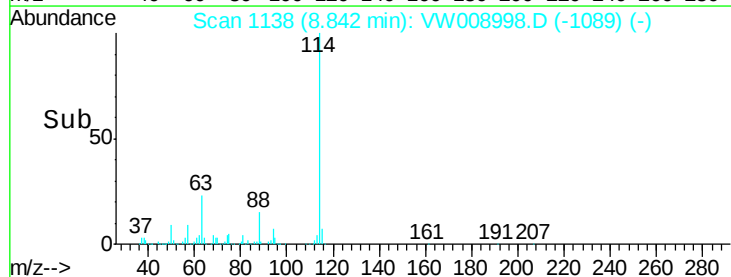
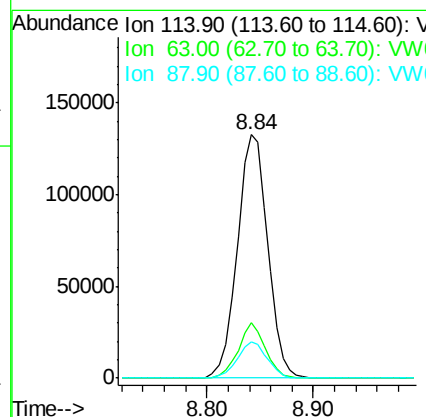
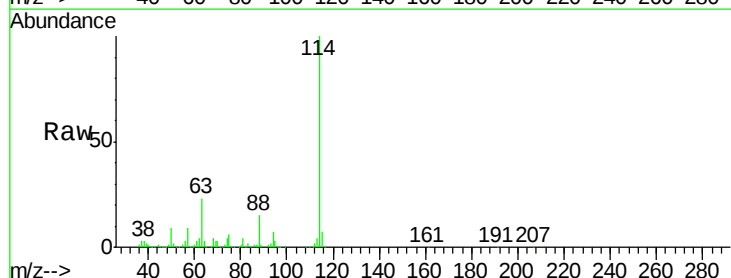
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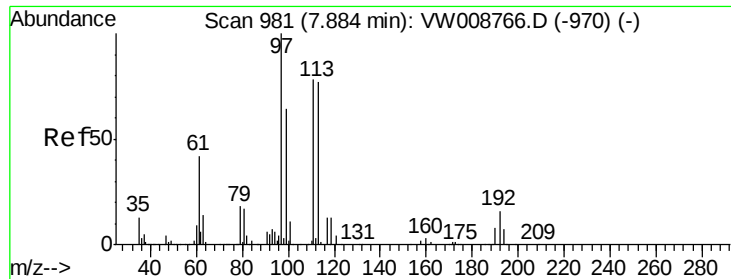
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	40.8
88	14.7	0.0	30.4





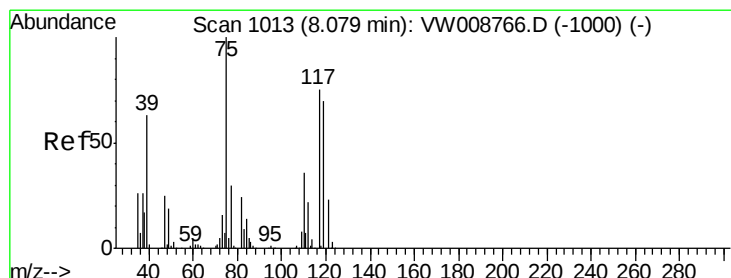
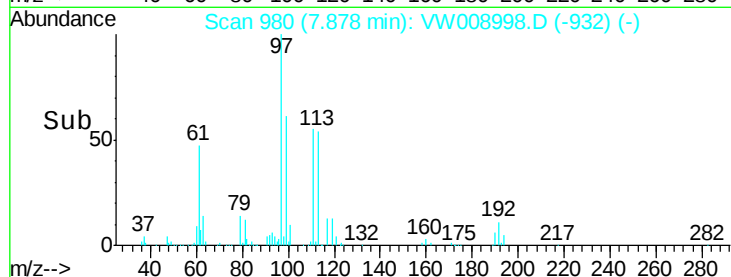
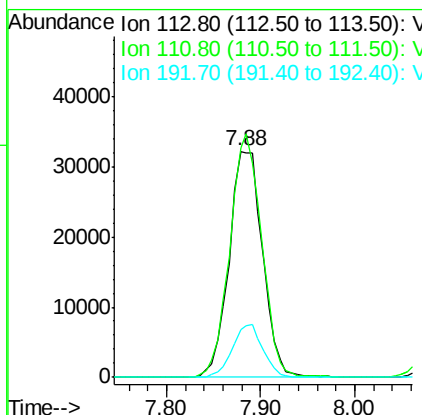
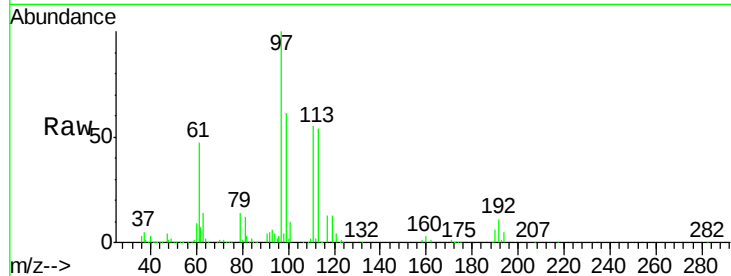
#35
 Dibromofluoromethane
 Concen: 50.167 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	21.1	17.1	25.7

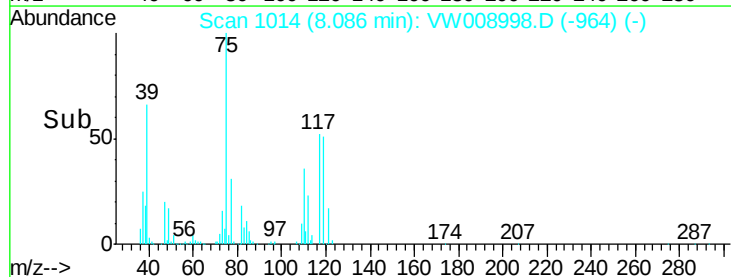
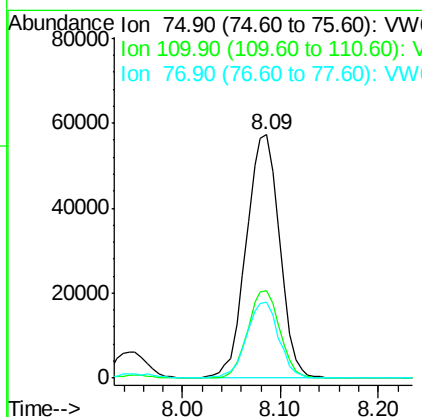
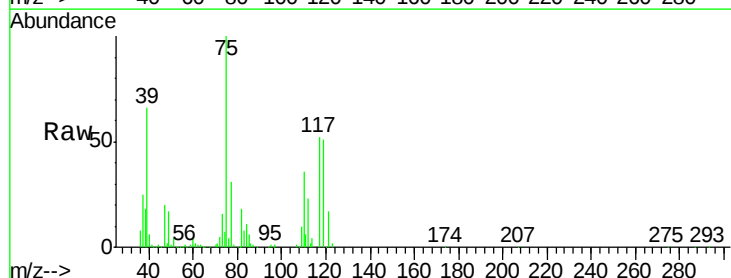
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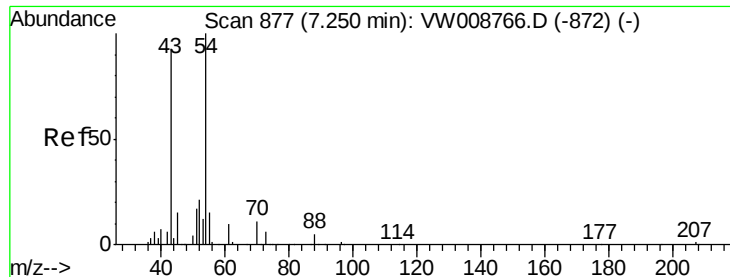
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#36
 1,1-Dichloropropene
 Concen: 52.745 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.5	52.6
77	30.1	24.5	36.7





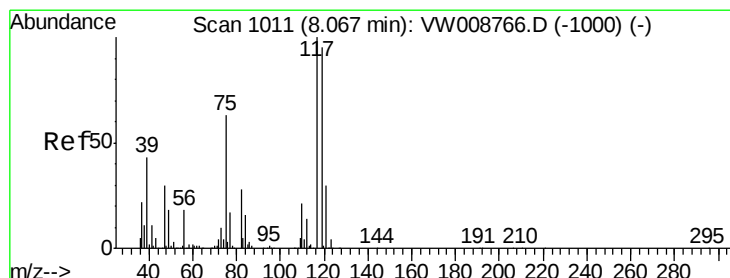
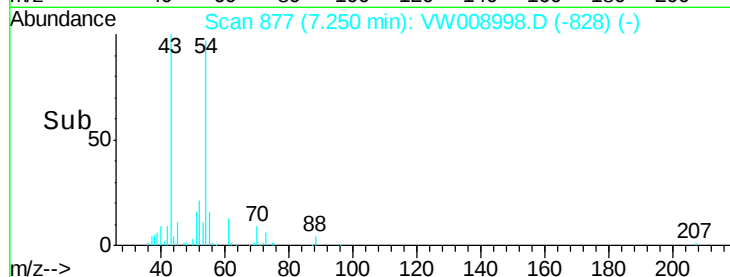
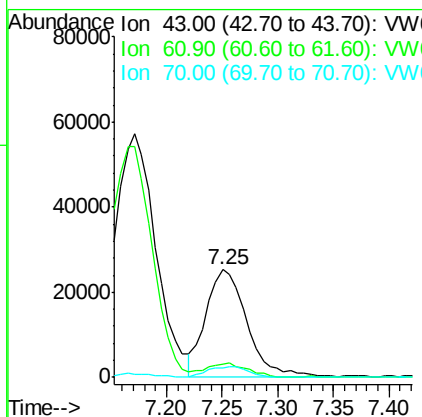
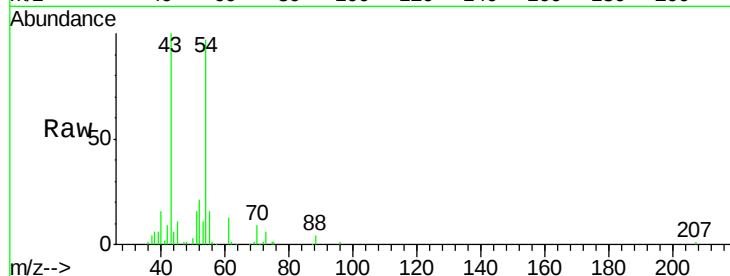
#37
Ethyl Acetate
Concen: 53.102 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	10.4	8.4	12.6

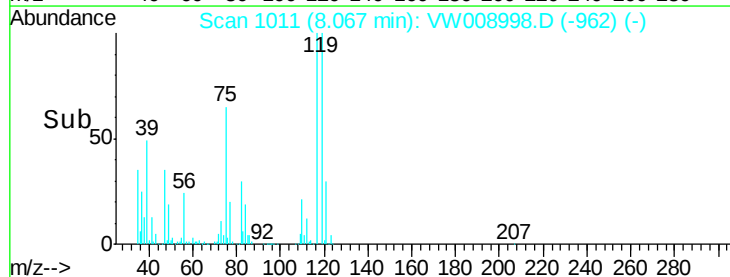
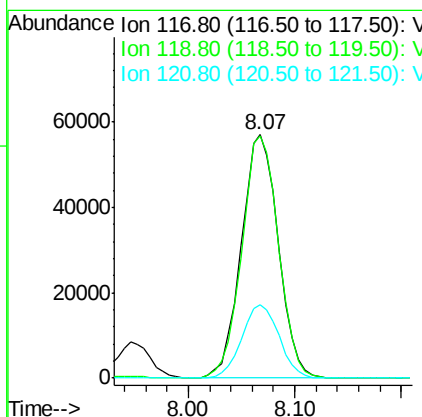
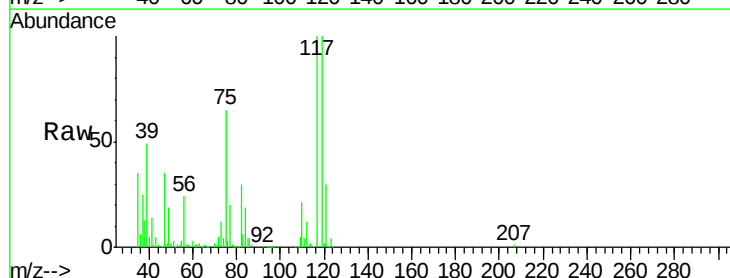
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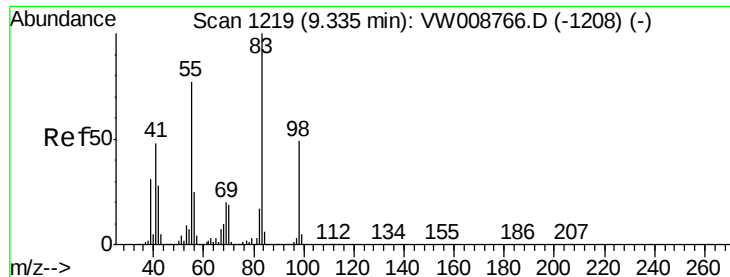
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#38
Carbon Tetrachloride
Concen: 51.111 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	76.1	114.1
121	29.9	24.0	36.0





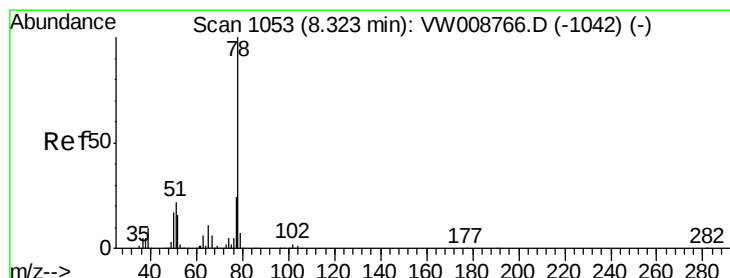
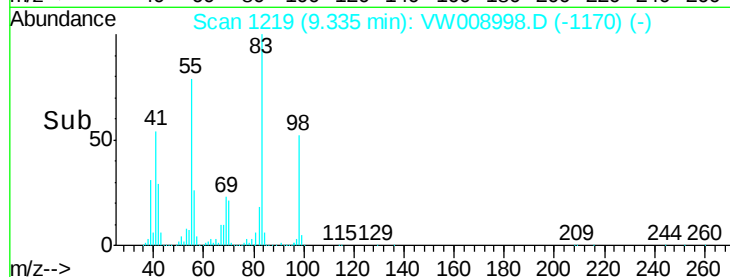
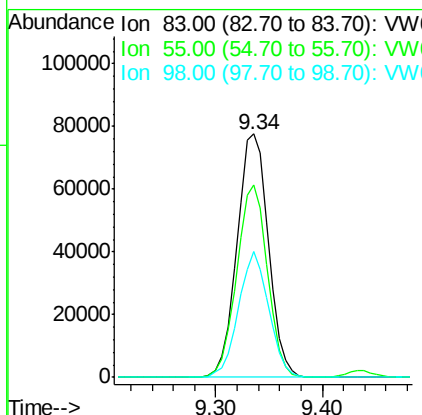
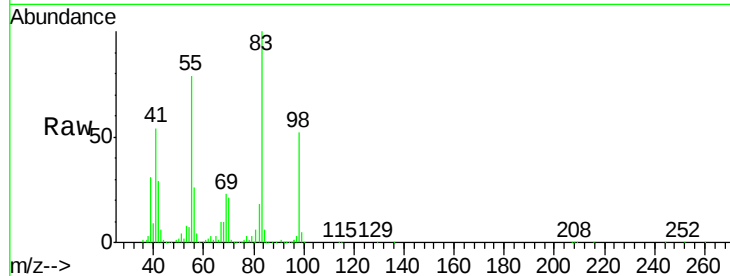
#39
Methvlcvclohexane
Concen: 50.065 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.2	91.8
98	51.7	39.4	59.2

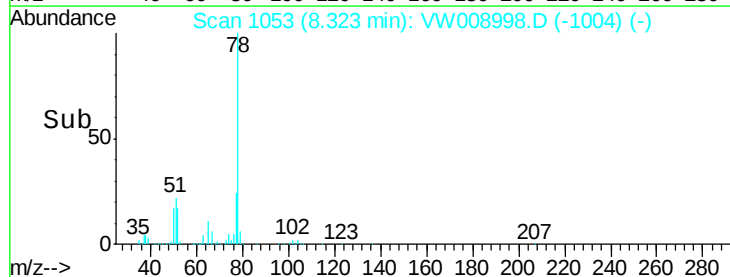
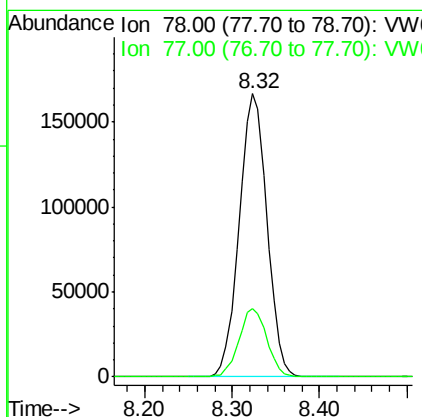
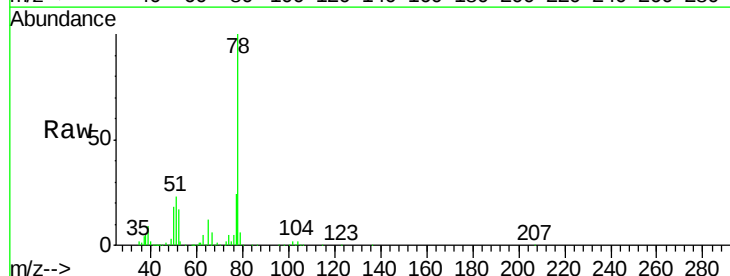
Manual Integrations
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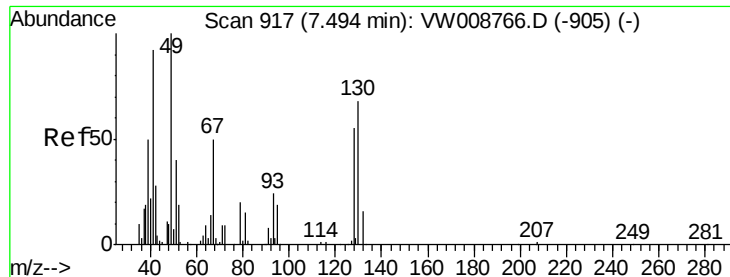
MMDadoda
3/6/2019 3:22:12 PM



#40
Benzene
Concen: 52.040 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





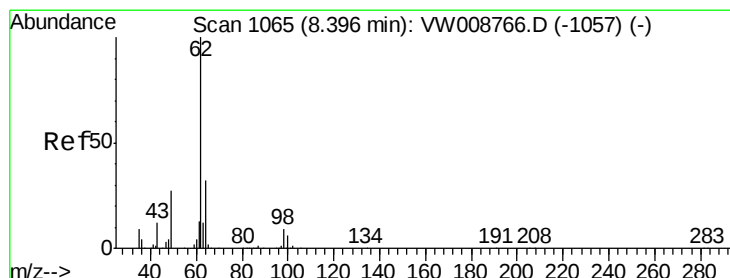
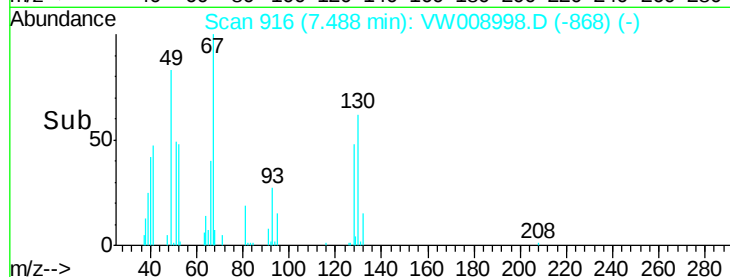
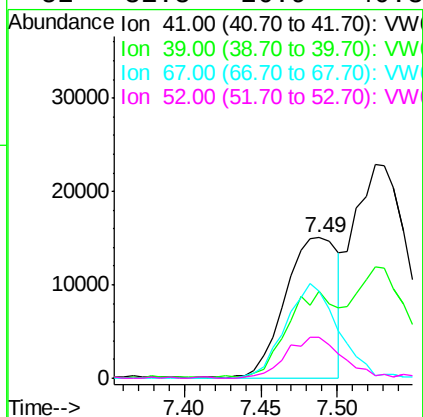
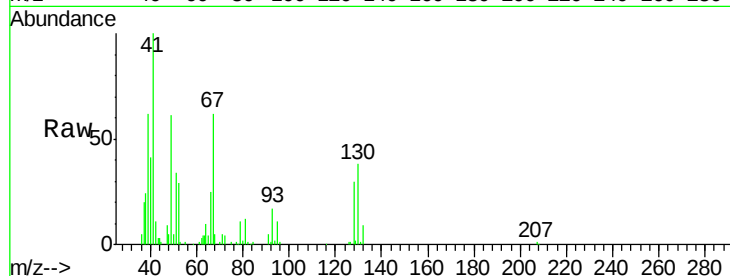
#41
Methacrylonitrile
Concen: 51.287 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	41	Resp	36157
Ion	Ratio	Lower	Upper
41	100		
39	57.1	52.5	78.7
67	67.8	55.0	82.6
52	31.8	26.9	40.3

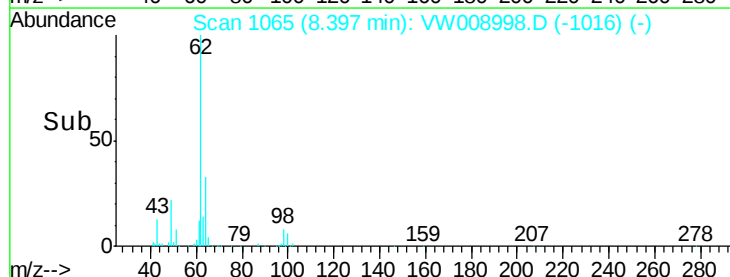
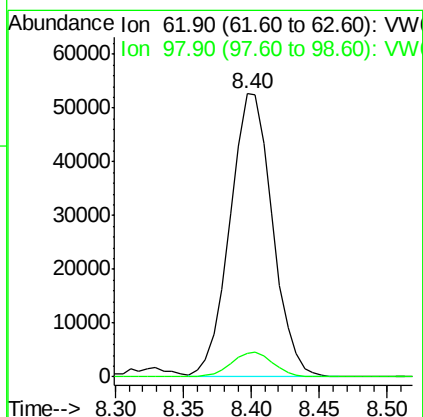
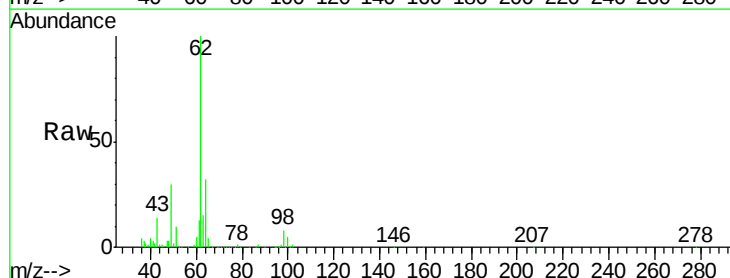
Manual Integrations
APPROVED

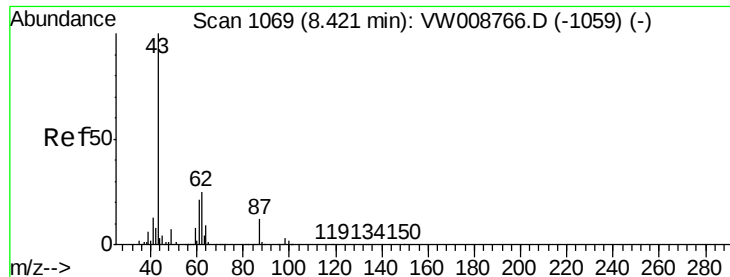
MMDadoda
3/6/2019 3:22:12 PM



#42
1,2-Dichloroethane
Concen: 51.297 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	62	Resp	114429
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43

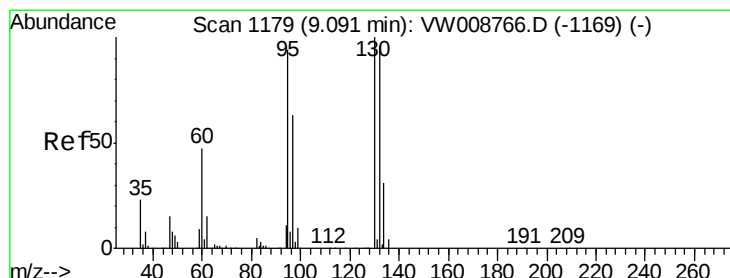
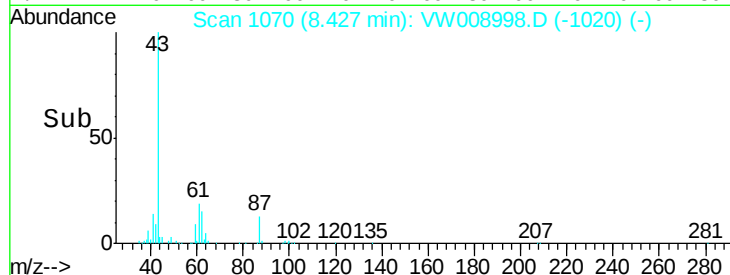
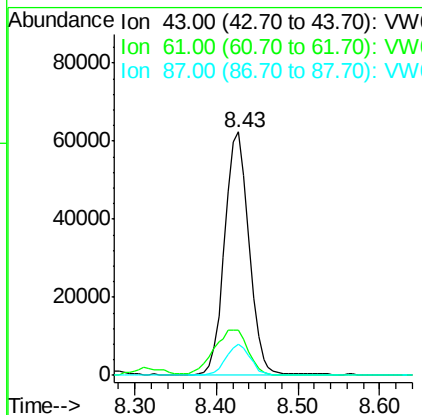
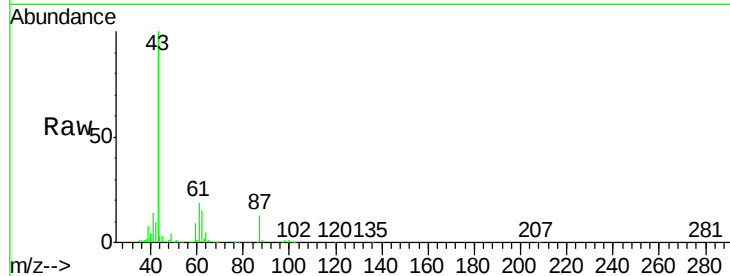
Isopropyl Acetate
 Concen: 53.576 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	23.2	34.8
87	12.7	9.9	14.9

Manual Integrations
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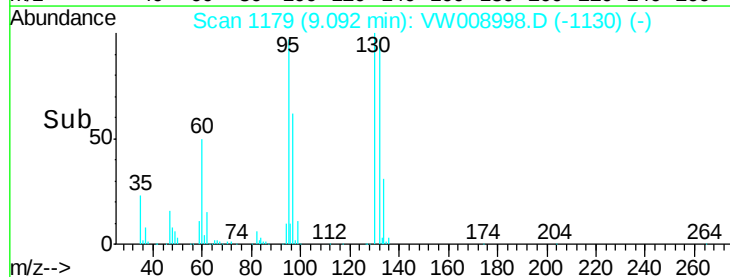
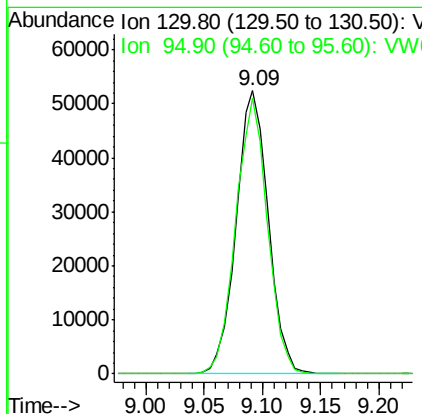
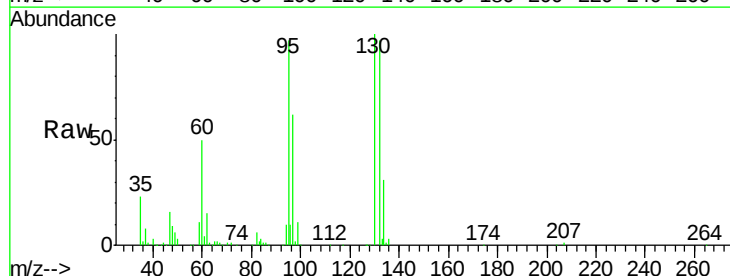
MMDadoda
 3/6/2019 3:22:12 PM

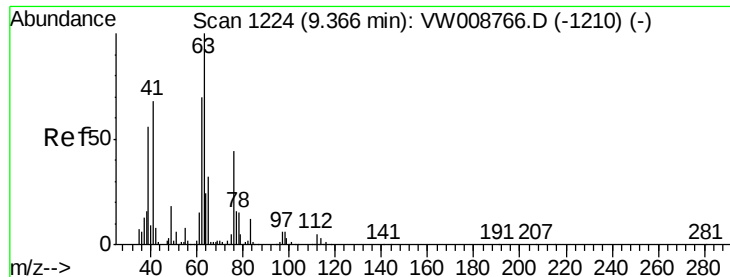


#44

Trichloroethene
 Concen: 50.800 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	188.6





#45

1,2-Dichloropropane

Concen: 51.474 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion: 63 Resp: 89573

Ion Ratio Lower Upper

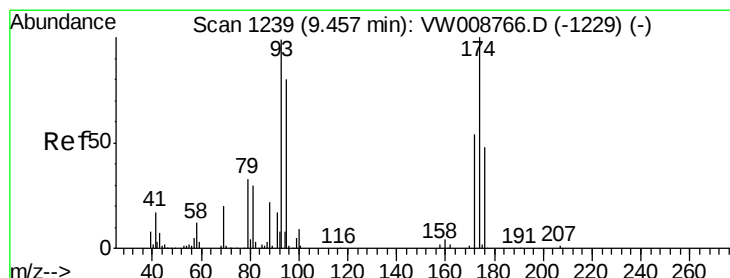
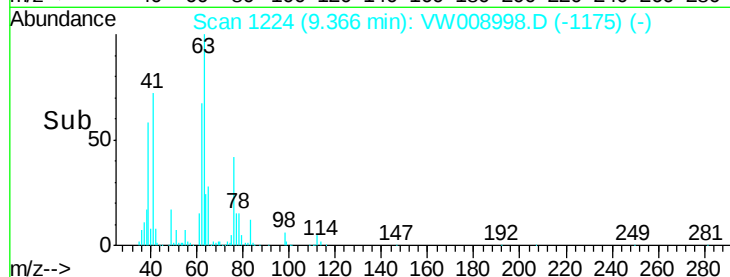
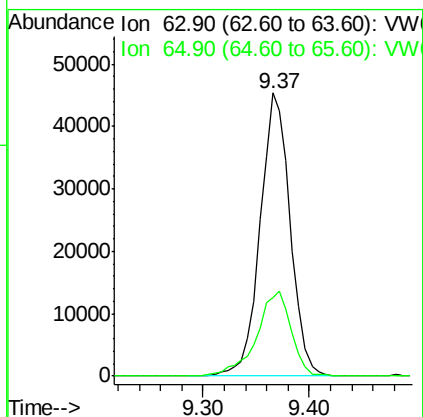
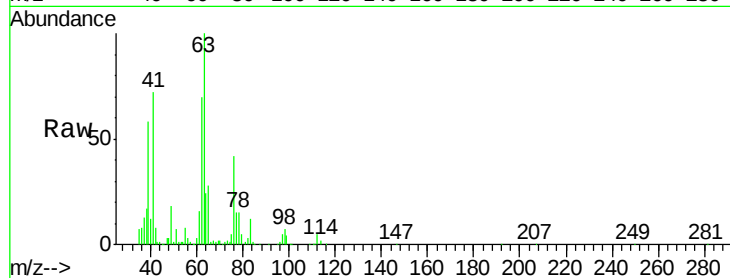
63 100

65 27.8 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

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#46

Dibromomethane

Concen: 50.616 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

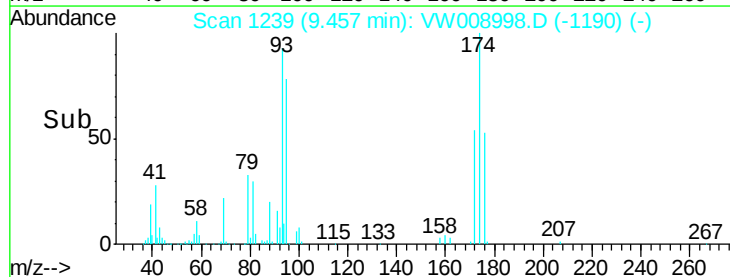
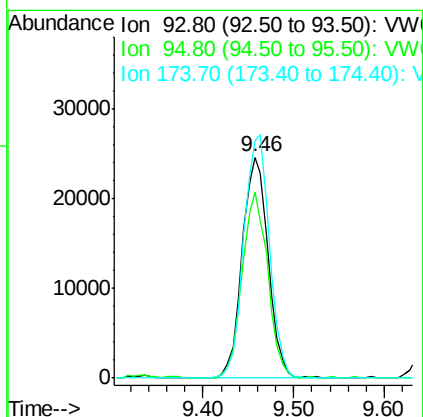
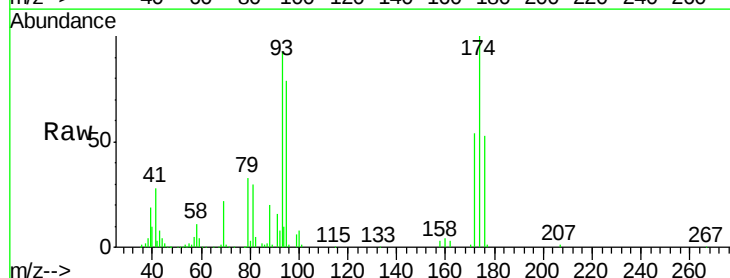
Tgt Ion: 93 Resp: 48993

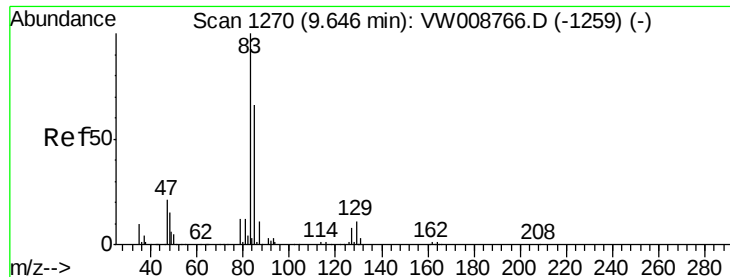
Ion Ratio Lower Upper

93 100

95 82.5 67.7 101.5

174 108.1 86.7 130.1





#47

Bromodichloromethane

Concen: 52.221 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

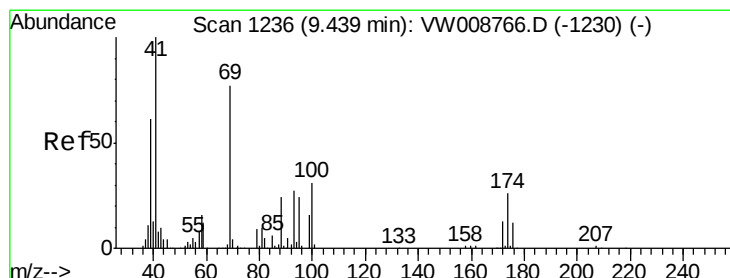
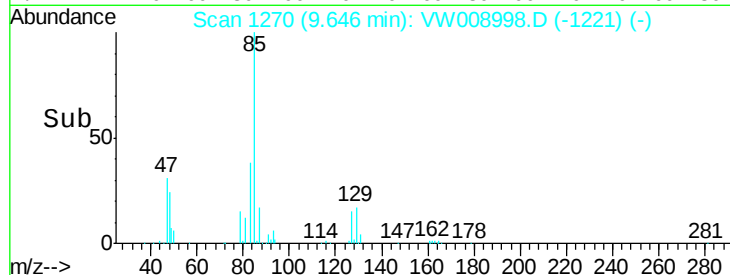
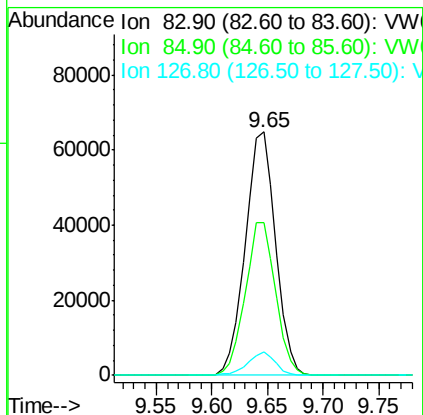
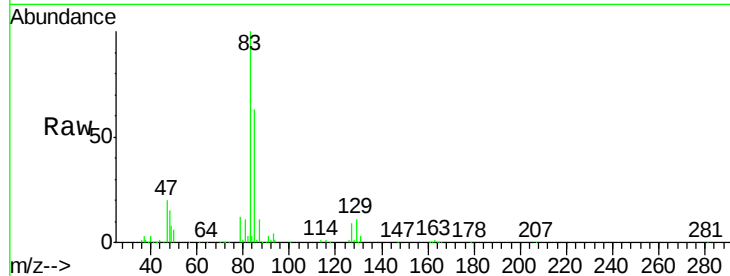
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:	83	Resp:	122980
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	9.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.255 ug/l

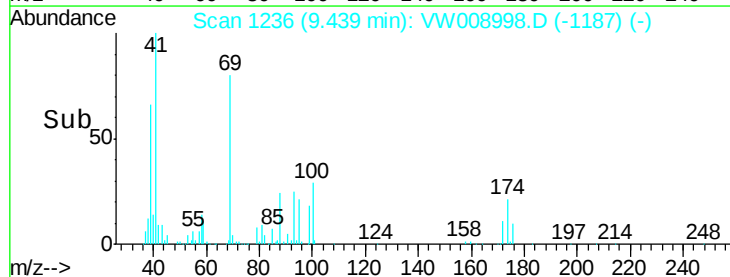
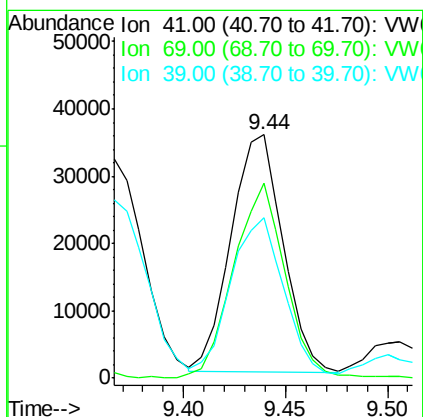
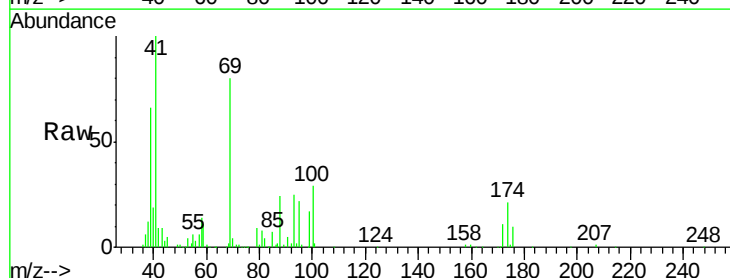
RT: 9.44 min Scan# 1236

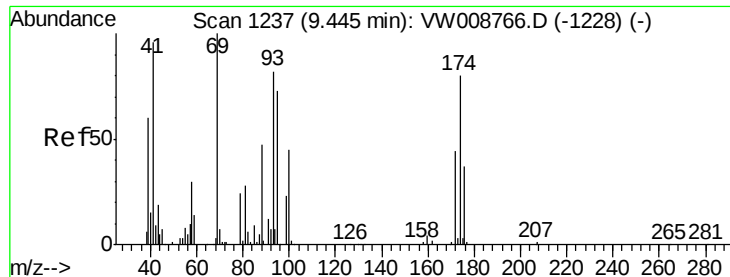
Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion:	41	Resp:	62200
Ion	Ratio	Lower	Upper
41	100		
69	81.3	63.6	95.4
39	66.2	52.1	78.1





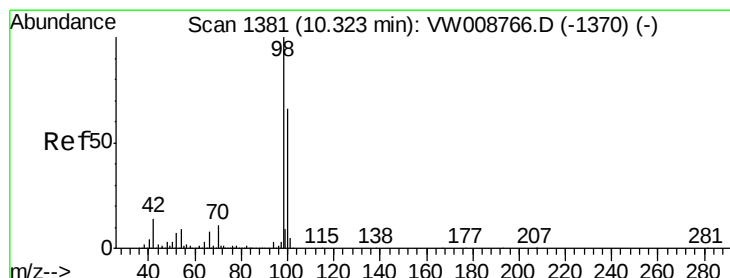
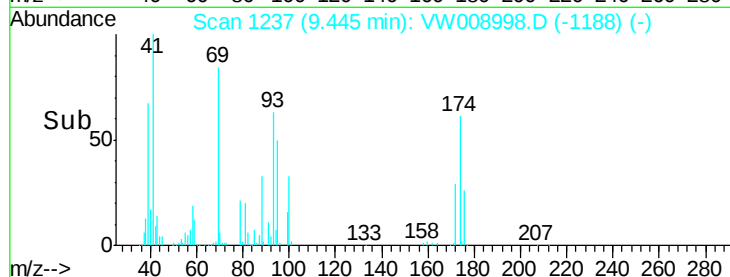
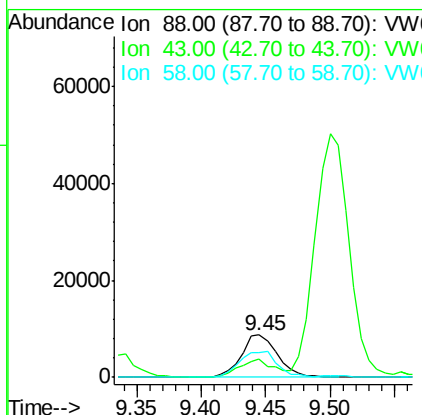
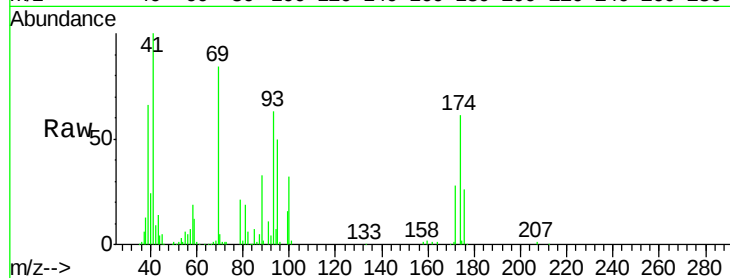
#49
1,4-Dioxane
Concen: 1100.734 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	88	Resp	17062
Ion Ratio	Lower	Upper	
88	100		
43	37.6	29.0	43.4
58	63.9	52.0	78.0

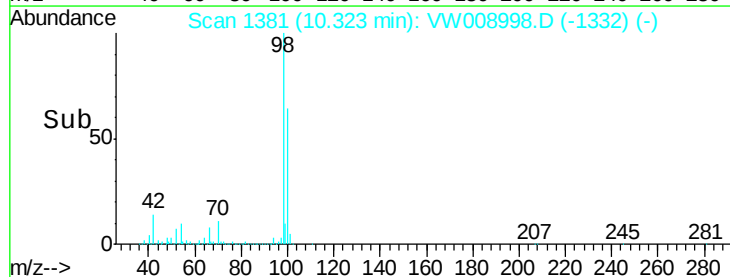
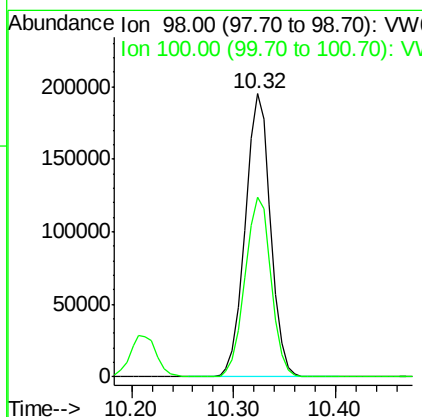
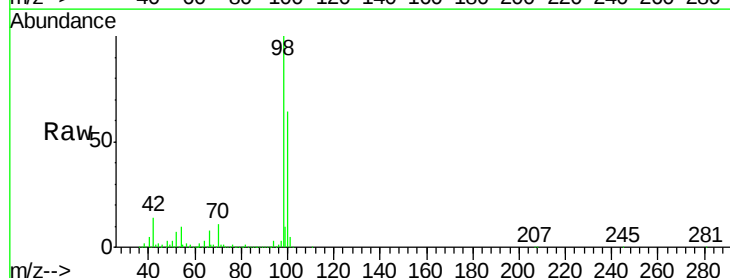
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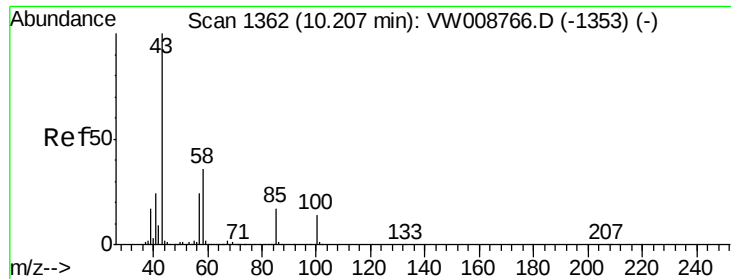
MMDadoda
3/6/2019 3:22:12 PM



#50
Toluene-d8
Concen: 54.884 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	98	Resp	337042
Ion Ratio	Lower	Upper	
98	100		
100	65.5	52.4	78.6





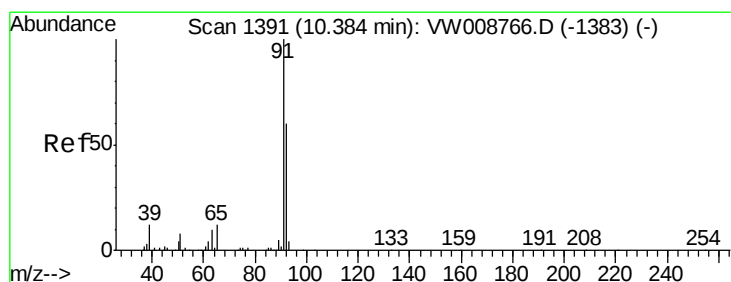
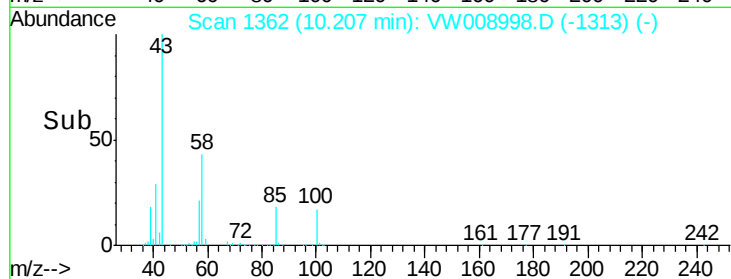
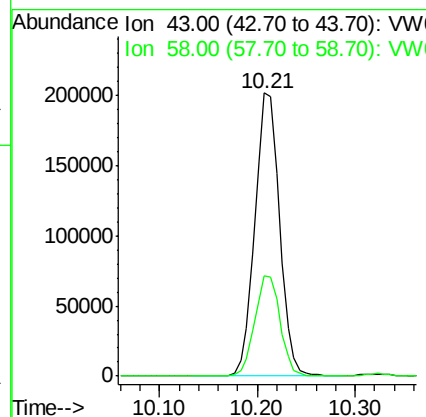
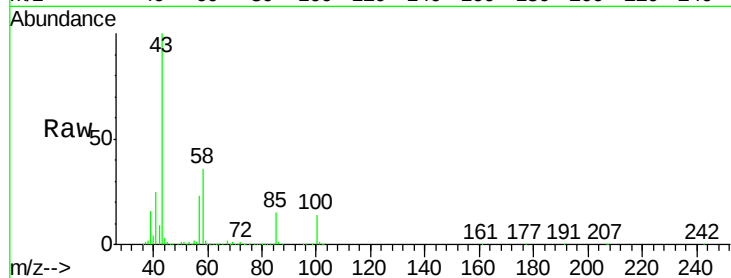
#51
4-Methyl-2-Pentanone
Concen: 292.399 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.1	43.7

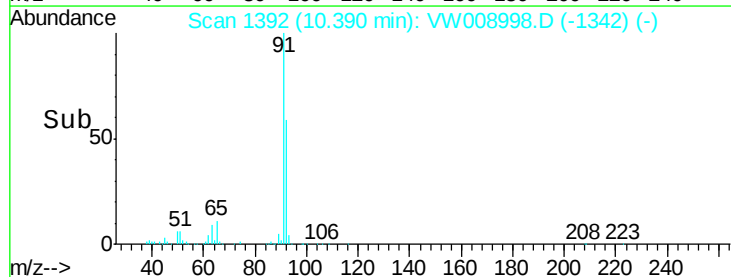
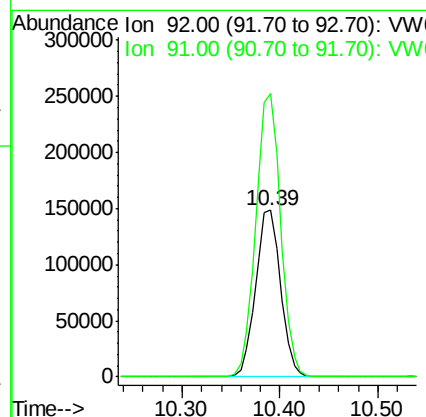
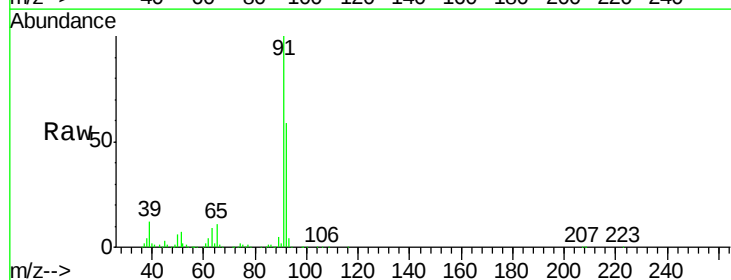
Manual Integrations
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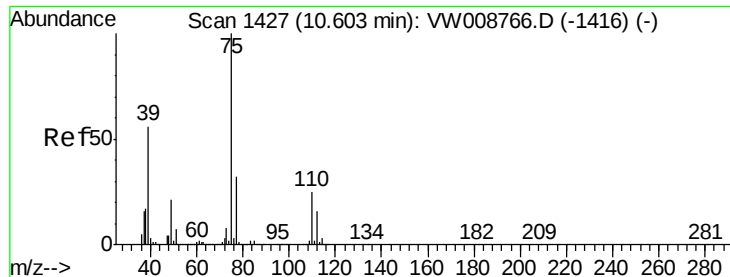
MMDadoda
3/6/2019 3:22:12 PM



#52
Toluene
Concen: 55.129 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.9	136.9	205.3





#53

t-1,3-Dichloropropene

Concen: 50.537 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion: 75 Resp: 121307

Ion Ratio Lower Upper

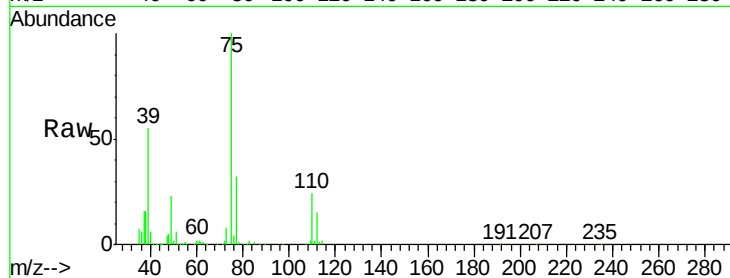
75 100

77 32.0 26.1 39.1

Manual Integrations
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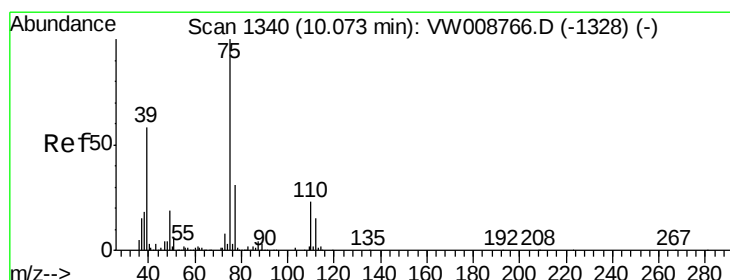
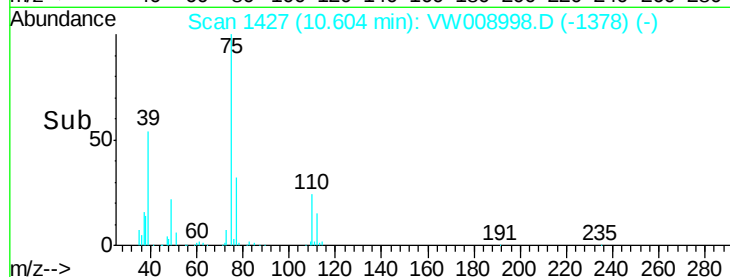
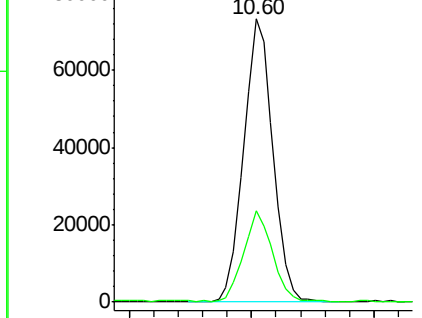
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 51.190 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

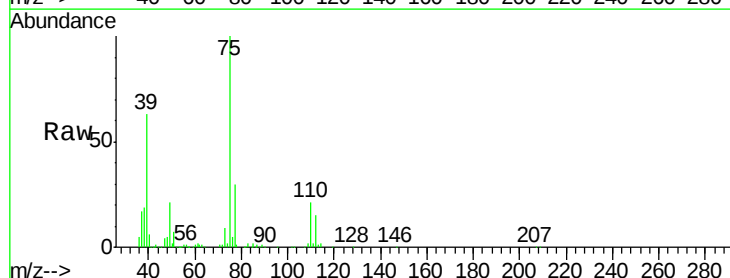
Tgt Ion: 75 Resp: 140142

Ion Ratio Lower Upper

75 100

77 29.4 25.0 37.4

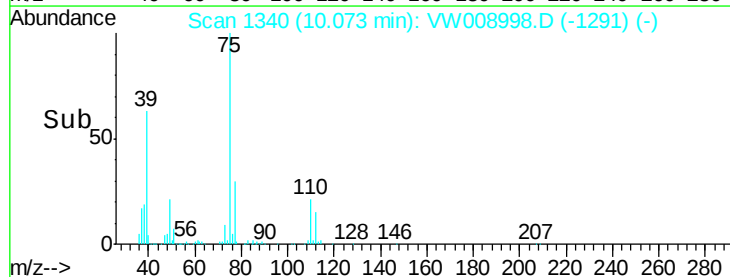
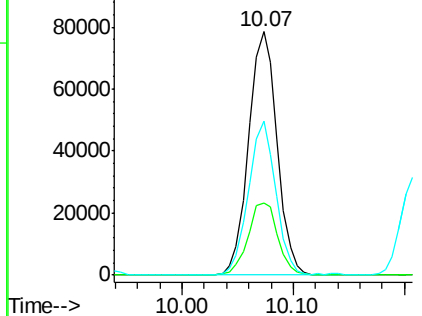
39 63.0 46.6 70.0

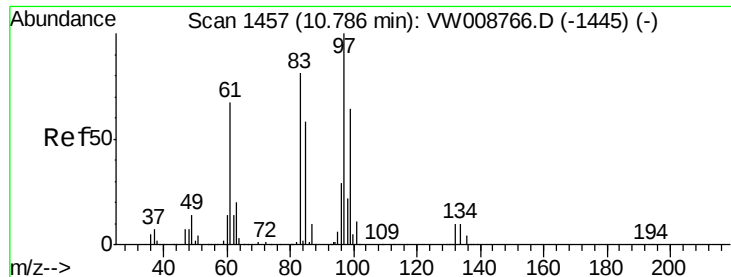


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 52.939 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

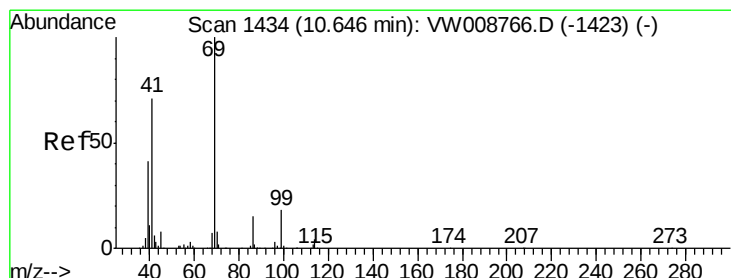
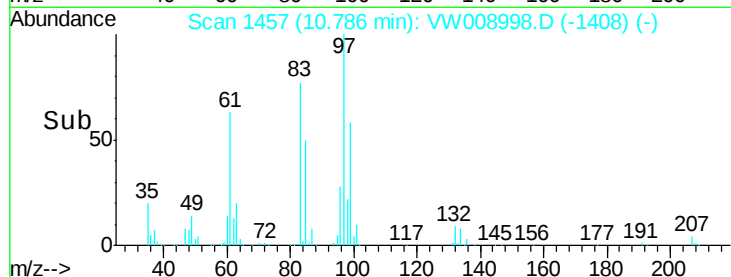
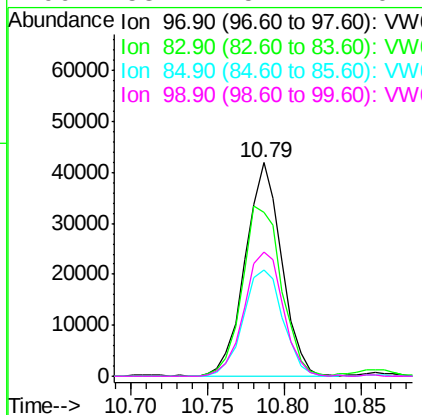
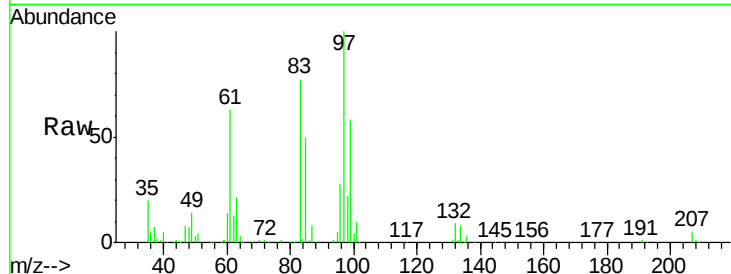
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		69491		
83	76.6	65.0	97.6		
85	49.7	46.0	69.0		
99	58.1	51.1	76.7		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.894 ug/l

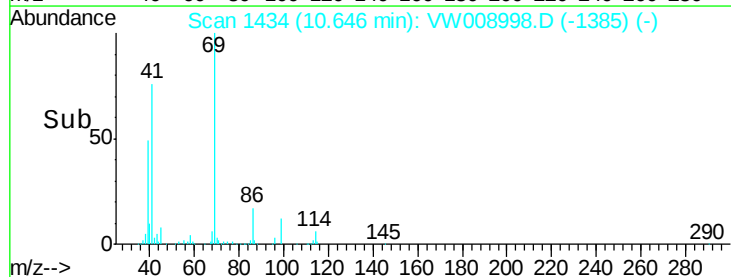
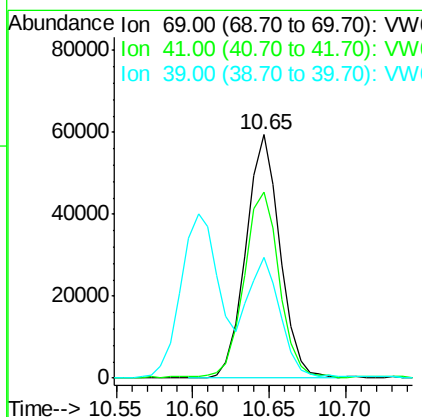
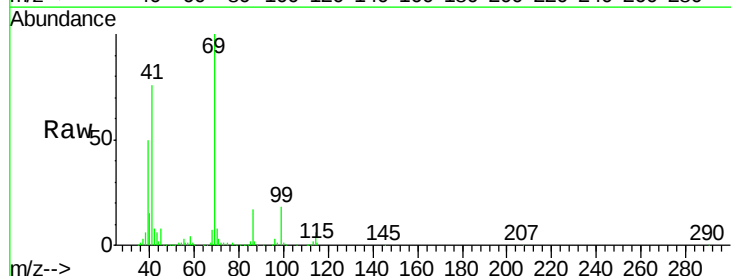
RT: 10.65 min Scan# 1434

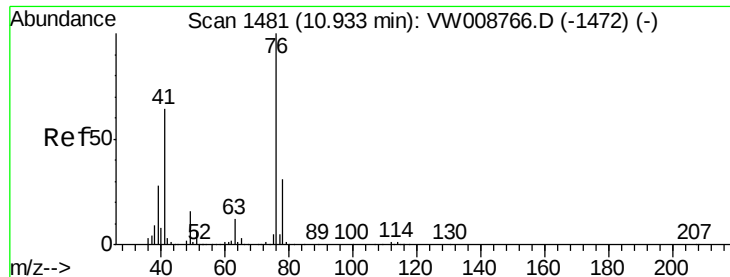
Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		91913		
41	78.2	57.4	86.0		
39	46.7	34.8	52.2		





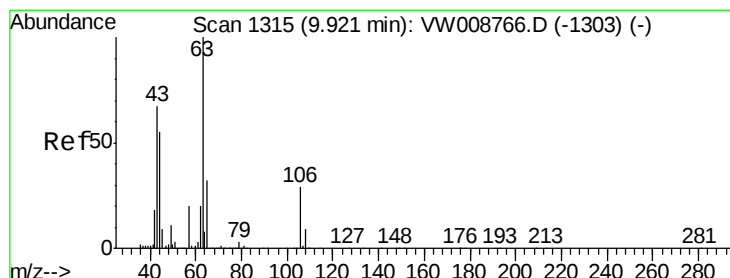
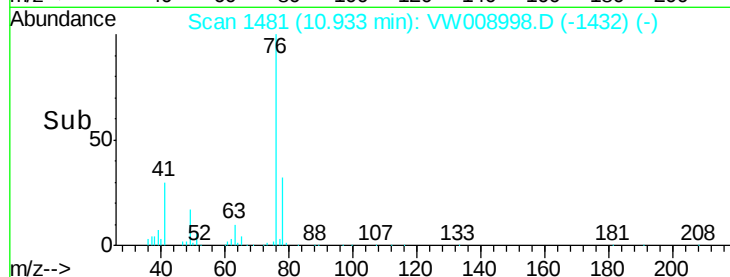
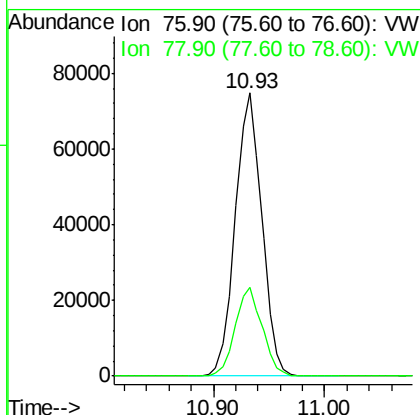
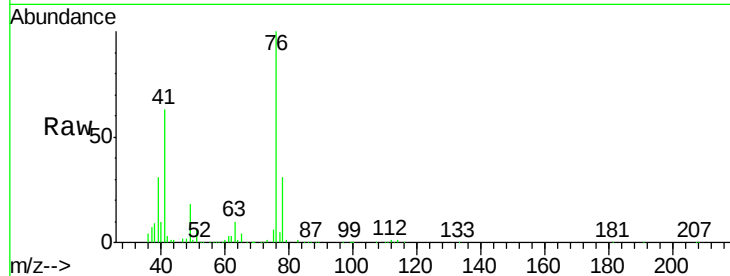
#57
 1,3-Dichloropropane
 Concen: 53.436 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8

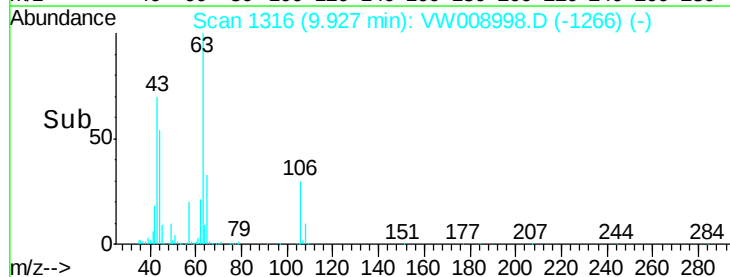
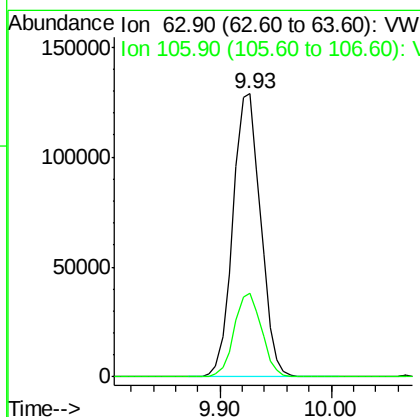
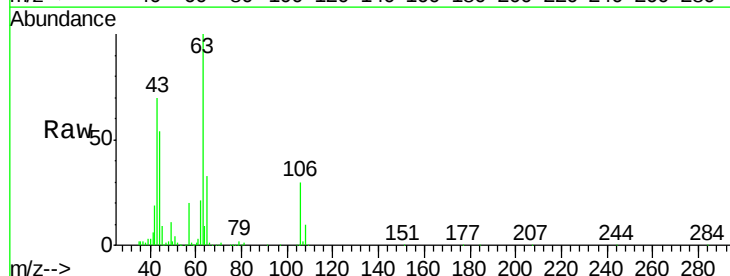
Manual Integrations
 APPROVED

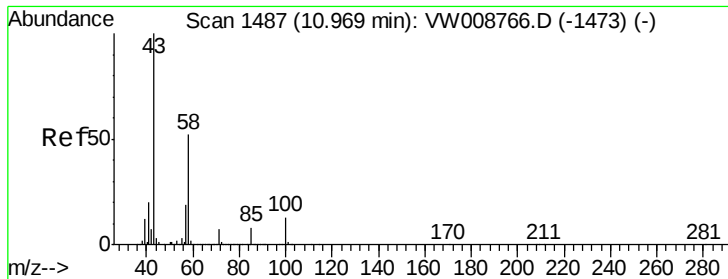
MMDadoda
 3/6/2019 3:22:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.285 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	24.0	36.0





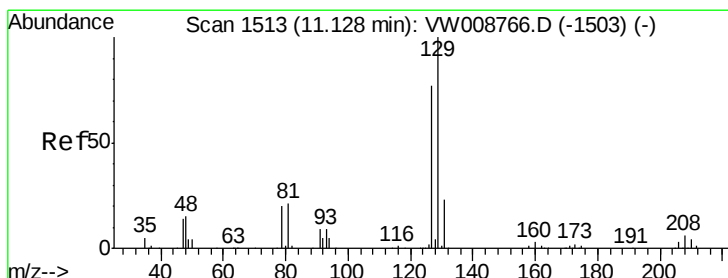
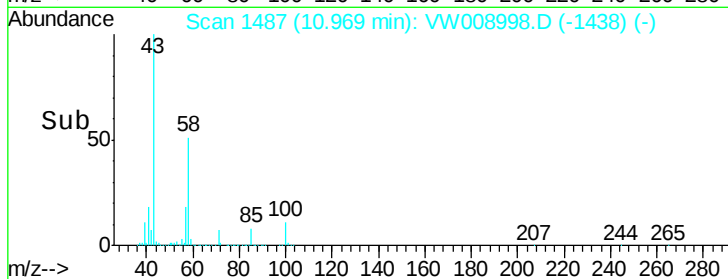
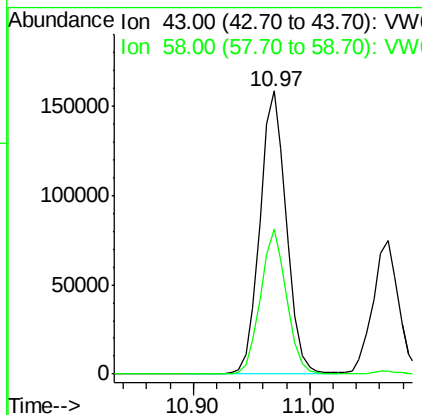
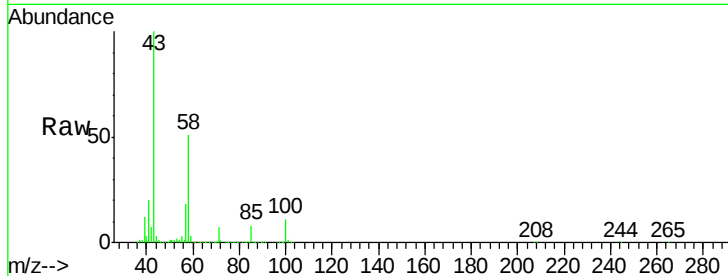
#59
2-Hexanone
Concen: 288.807 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	43	Resp	249842
Ion Ratio	43	100	
Lower	58	50.5	25.3
Upper			75.8

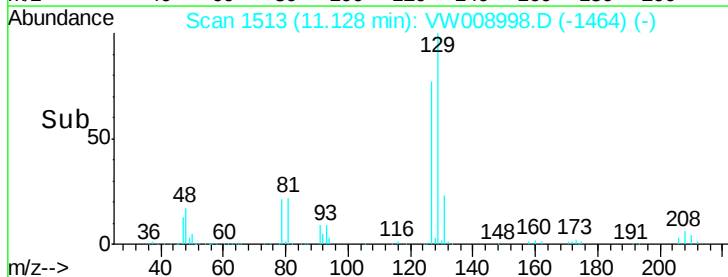
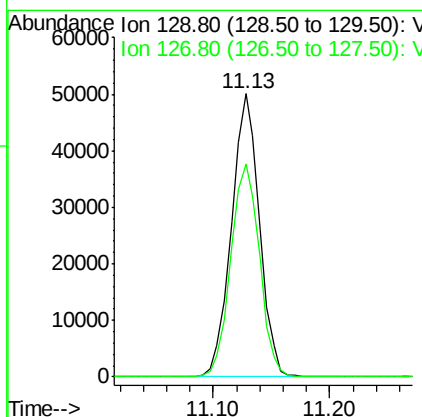
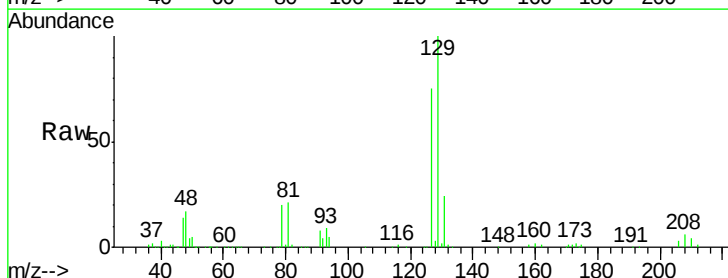
Manual Integrations
APPROVED

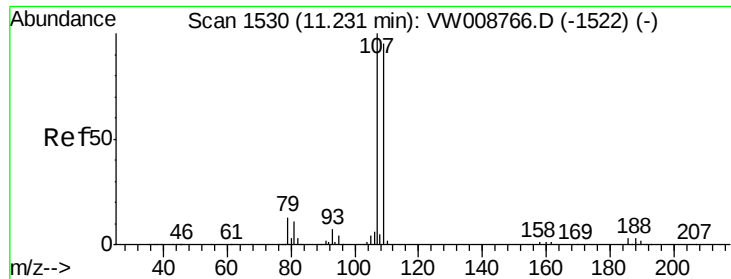
MMDadoda
3/6/2019 3:22:12 PM



#60
Dibromochloromethane
Concen: 52.154 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	129	Resp	83504
Ion Ratio	129	100	
Lower	127	77.2	39.0
Upper			116.9





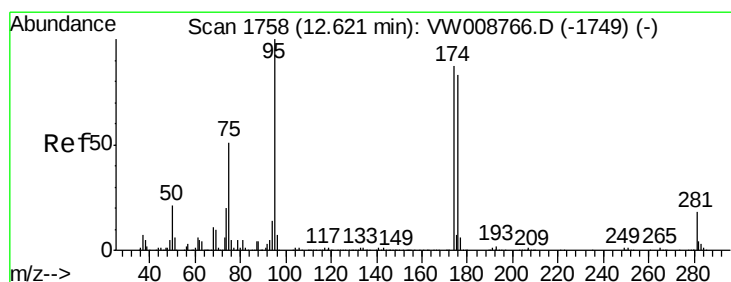
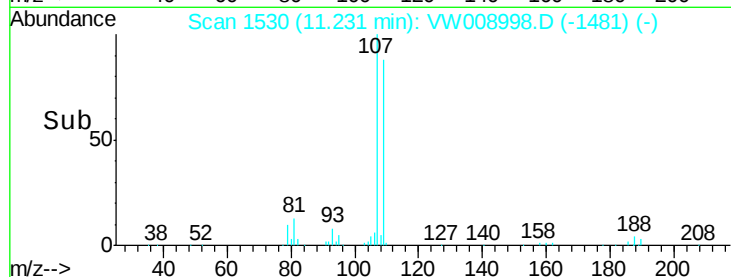
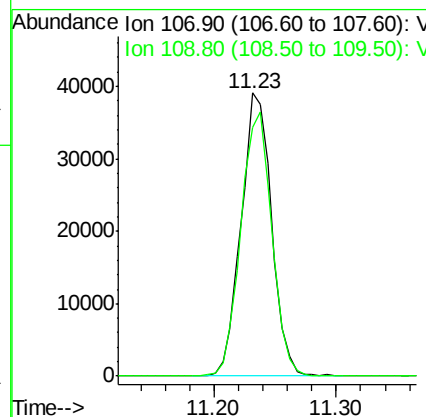
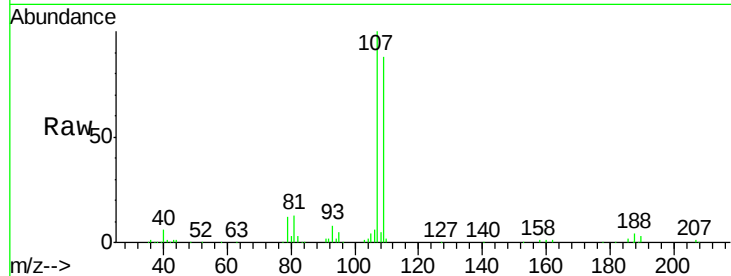
#61
 1,2-Dibromoethane
 Concen: 51.866 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion: 107 Resp: 67392
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.6 113.4

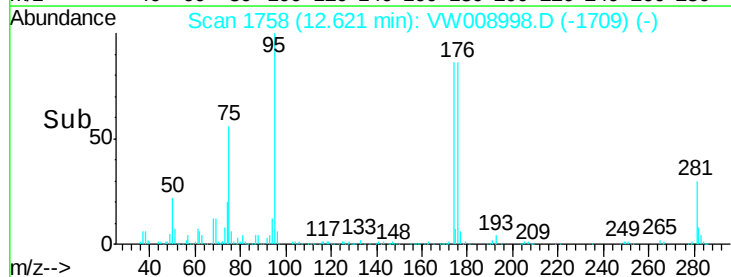
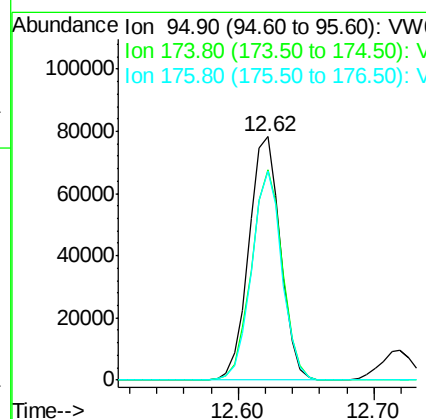
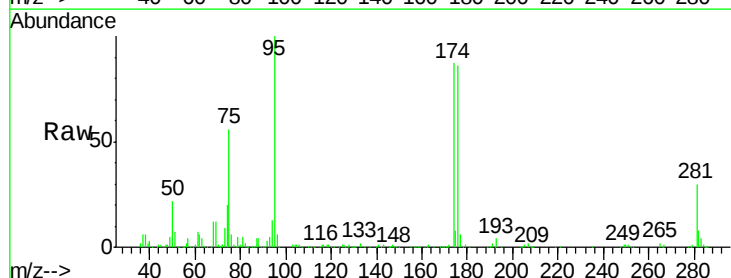
Manual Integrations
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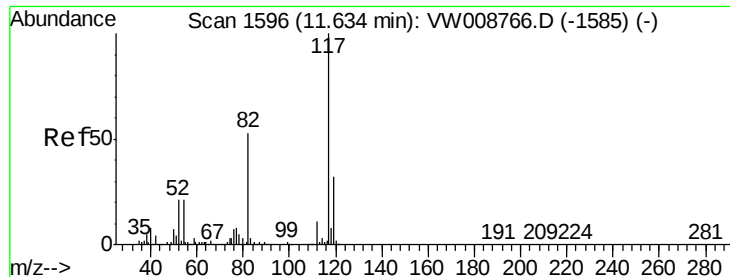
MMDadoda
 3/6/2019 3:22:12 PM



#62
 4-Bromofluorobenzene
 Concen: 52.924 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion: 95 Resp: 127253
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 169.2
 176 82.6 0.0 163.6





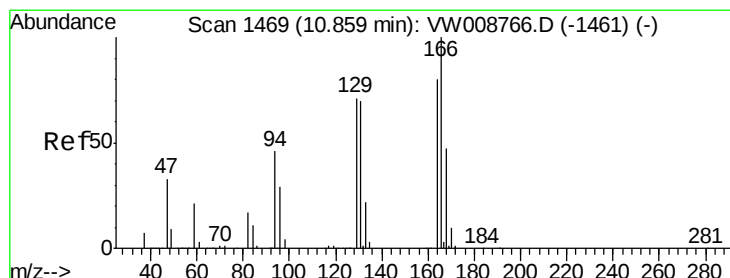
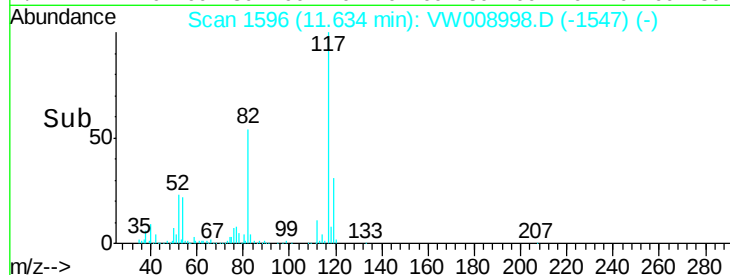
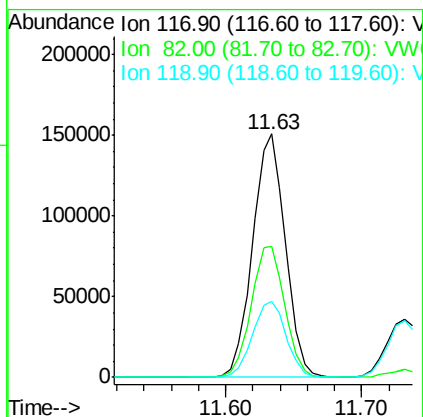
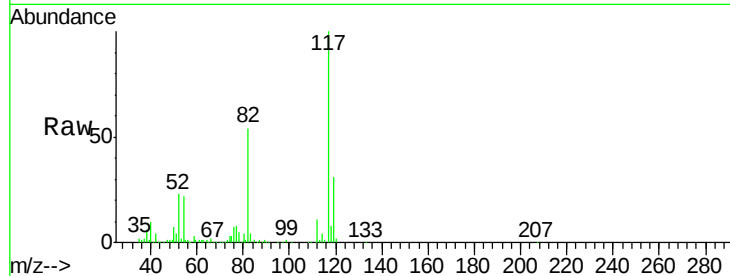
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion:	117	Resp:	254113
Ion Ratio		Lower	Upper
117	100		
82	53.7	42.2	63.4
119	31.3	25.9	38.9

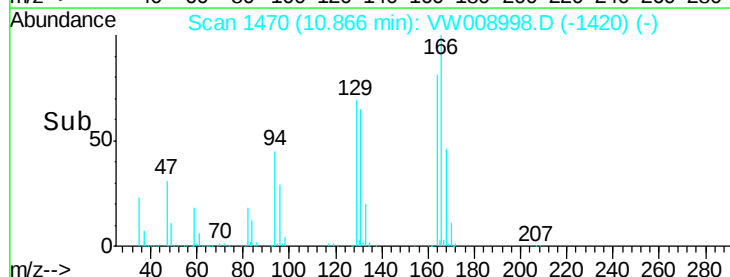
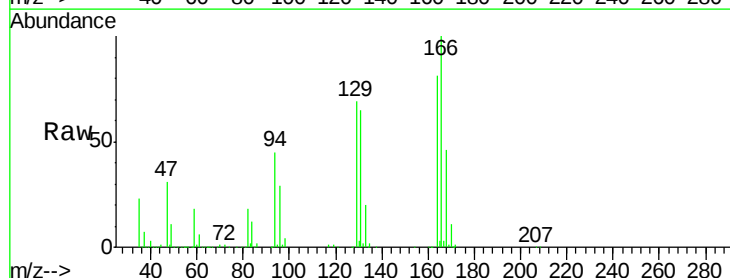
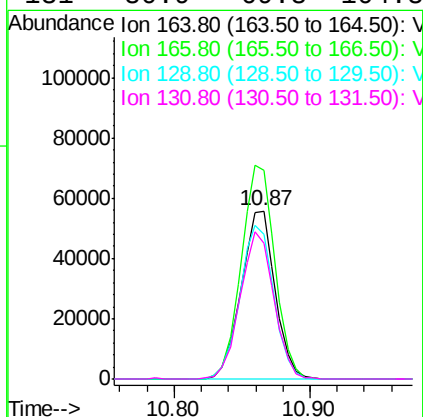
Manual Integrations
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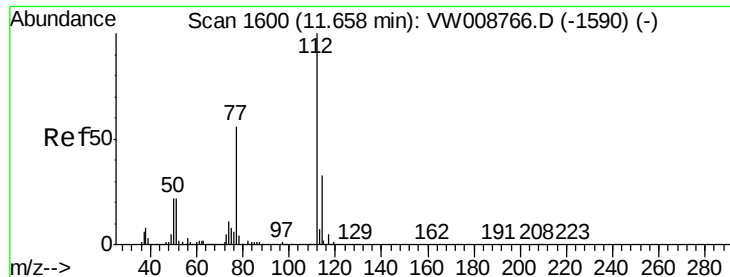
MMDadoda
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#64
Tetrachloroethene
Concen: 53.281 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion:	164	Resp:	96918
Ion Ratio		Lower	Upper
164	100		
166	123.7	99.5	149.3
129	85.7	71.1	106.7
131	80.9	69.8	104.8





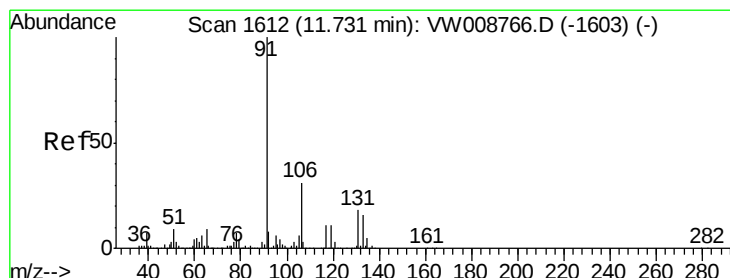
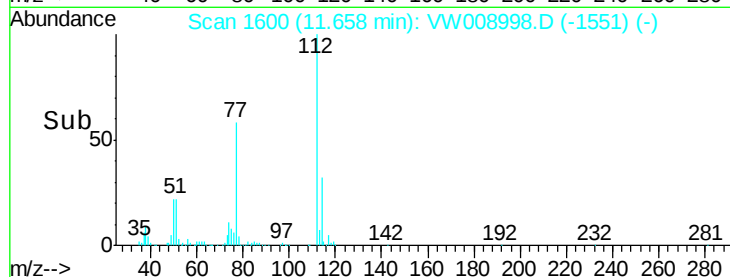
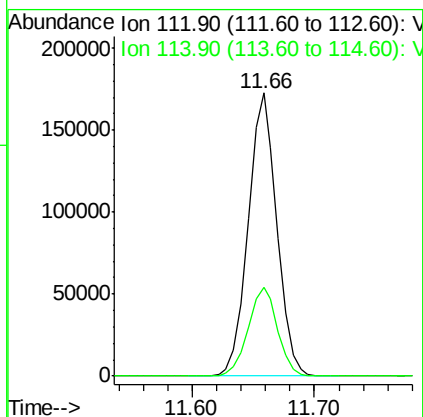
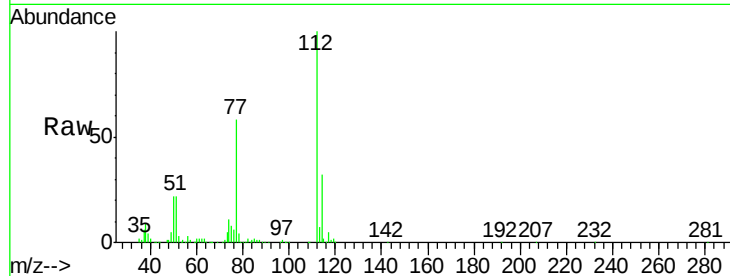
#65
Chlorobenzene
Concen: 52.409 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.6	40.0

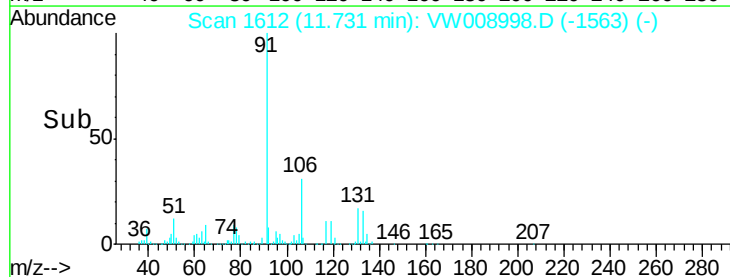
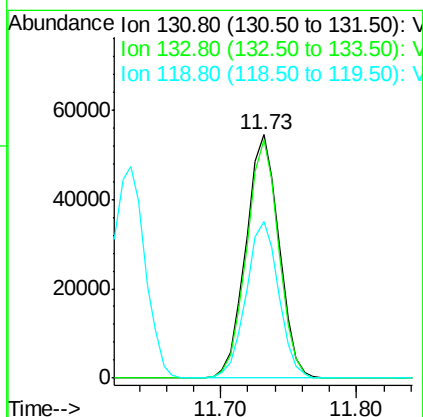
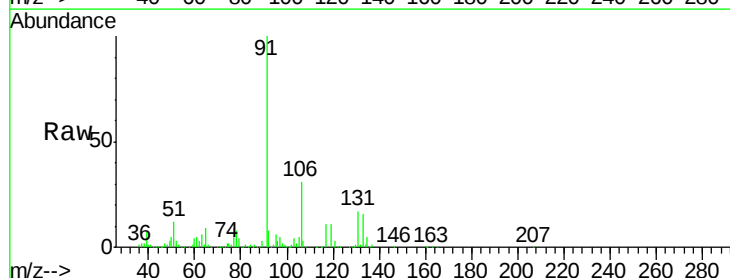
Manual Integrations
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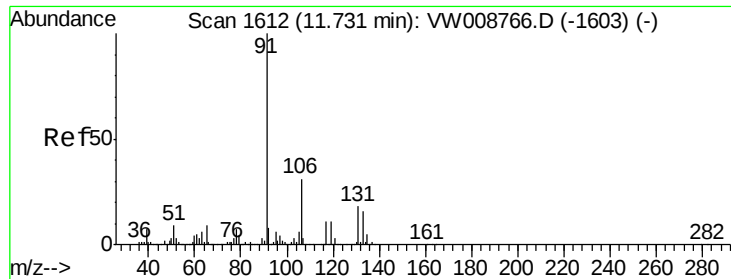
MMDadoda
3/6/2019 3:22:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	46.7	140.0
119	63.3	30.8	92.4





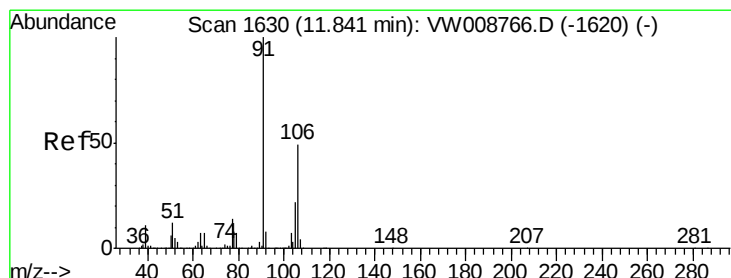
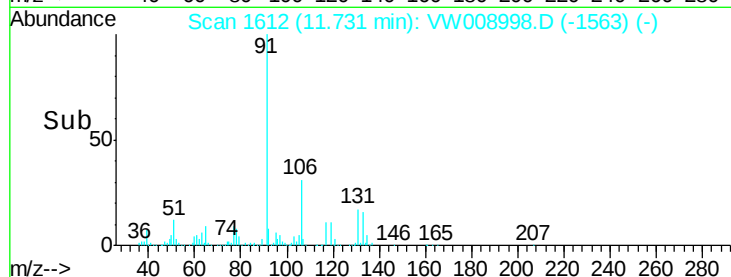
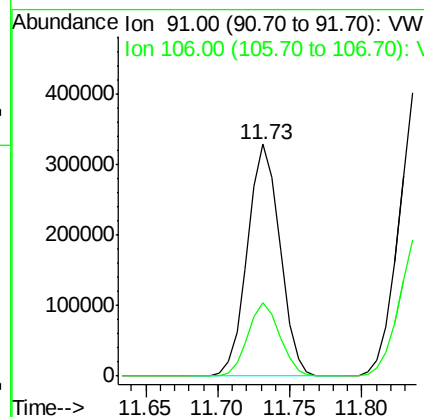
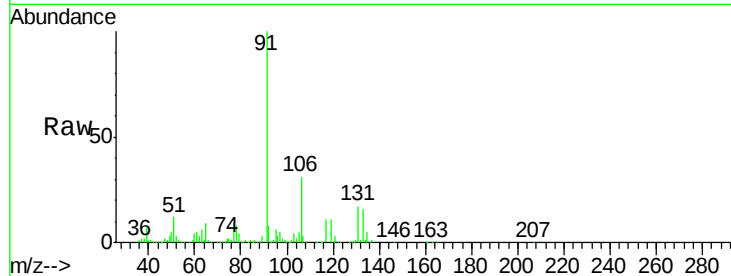
#67
Ethyl Benzene
Concen: 53.773 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion: 91 Resp: 513635
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

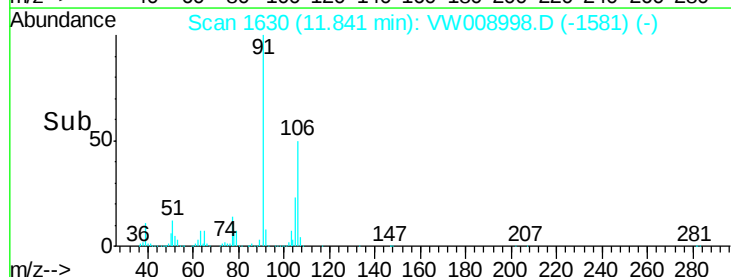
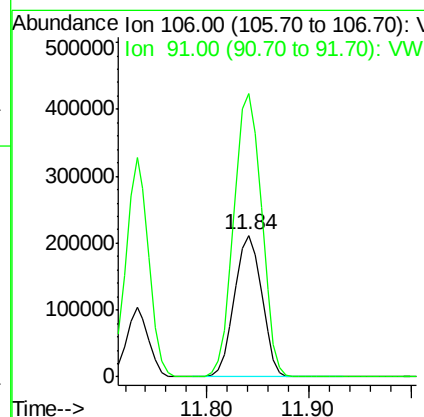
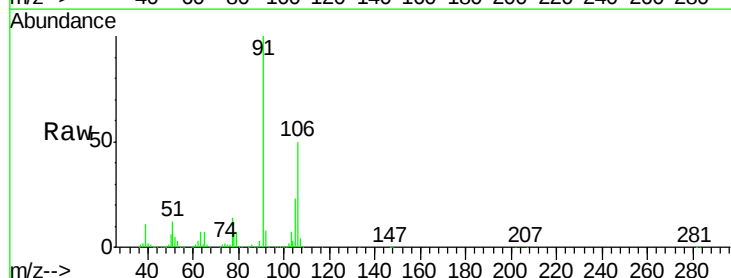
Manual Integrations
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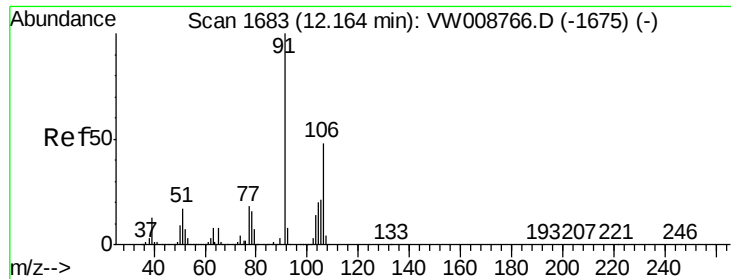
MMDadoda
3/6/2019 3:22:12 PM



#68
m/p-Xylenes
Concen: 103.135 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion: 106 Resp: 393612
Ion Ratio Lower Upper
106 100
91 203.0 161.5 242.3





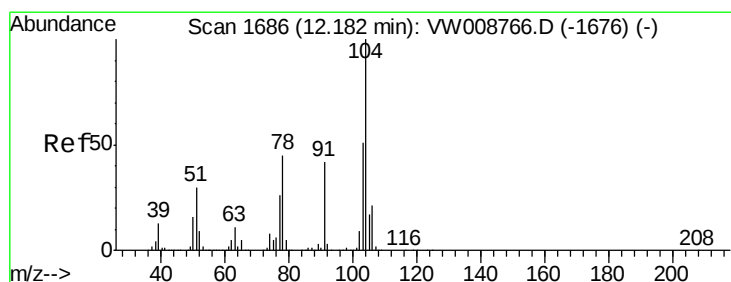
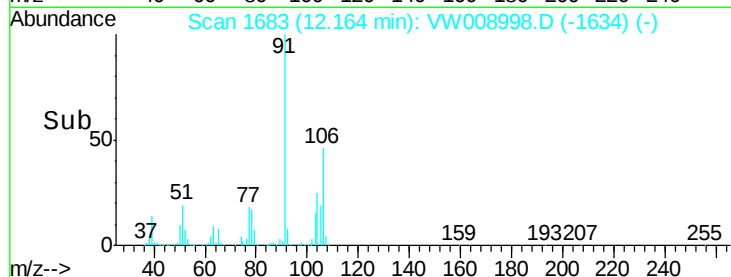
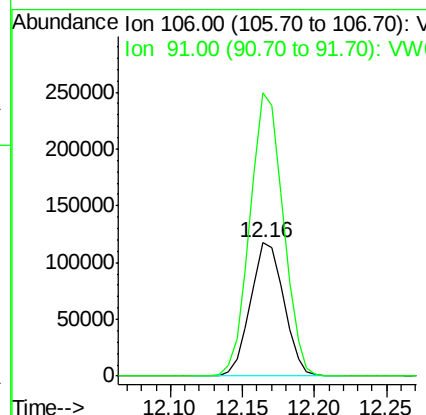
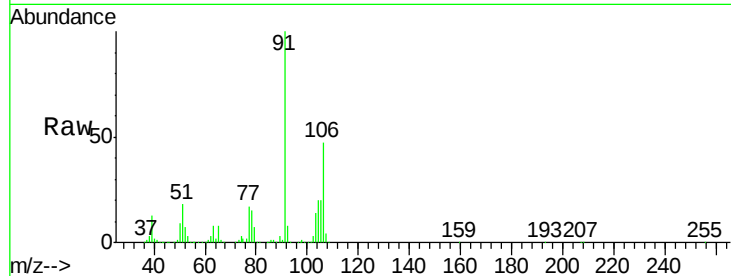
#69
o-Xylene
Concen: 52.556 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		188267		
91	211.6	106.2	318.6		

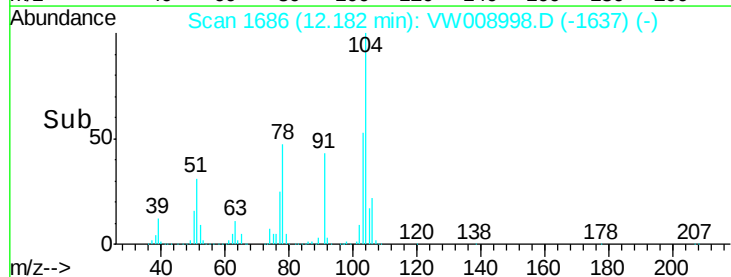
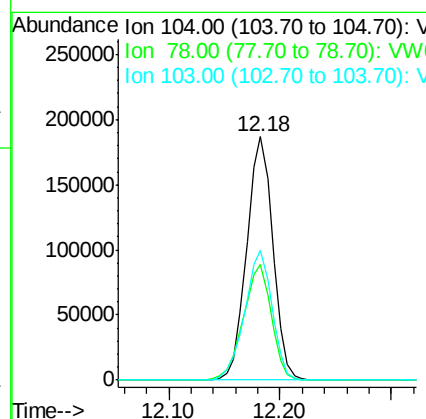
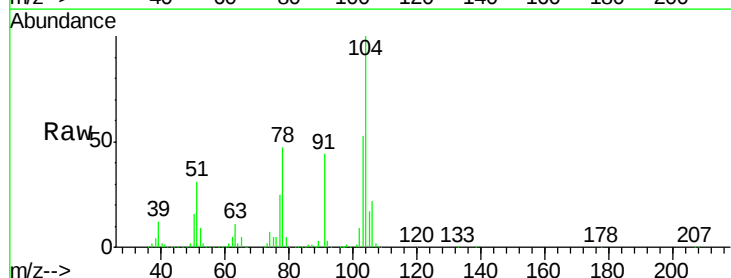
Manual Integrations
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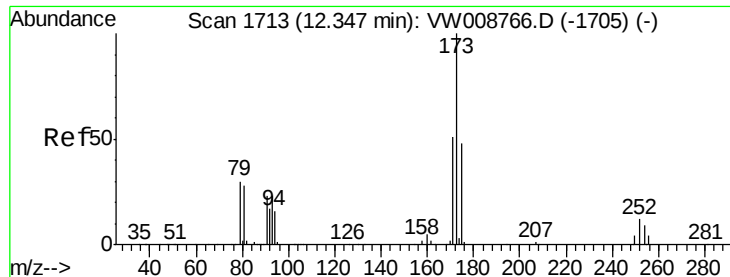
MMDadoda
3/6/2019 3:22:12 PM



#70
Styrene
Concen: 52.923 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		305005		
78	50.7	40.8	61.2		
103	55.7	44.2	66.2		





#71

Bromoform

Concen: 52.577 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

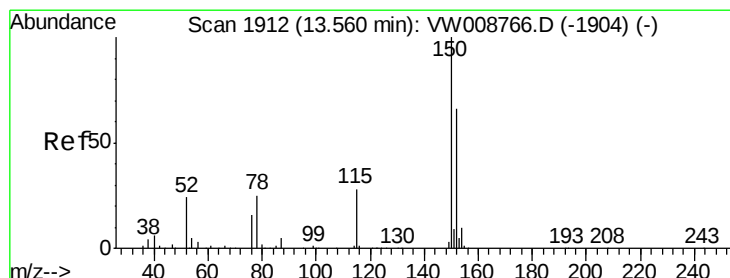
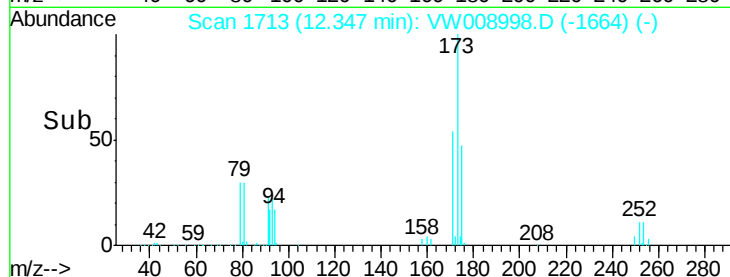
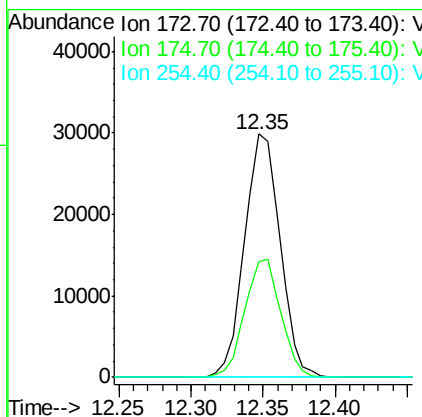
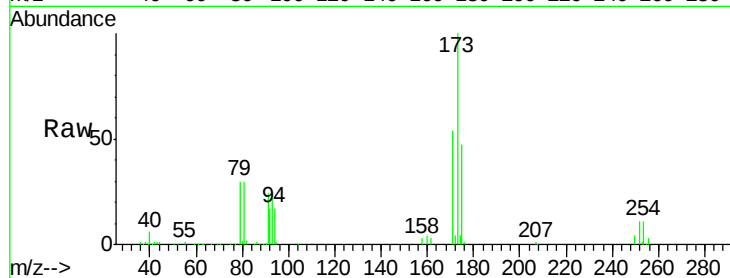
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	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

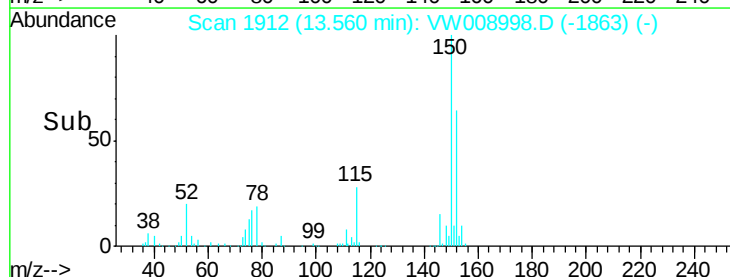
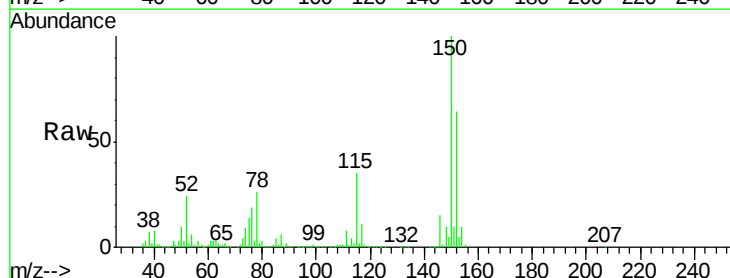
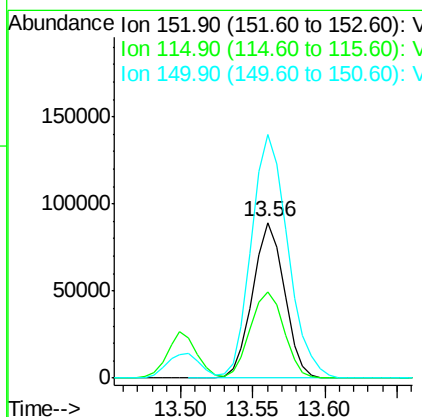
RT: 13.56 min Scan# 1912

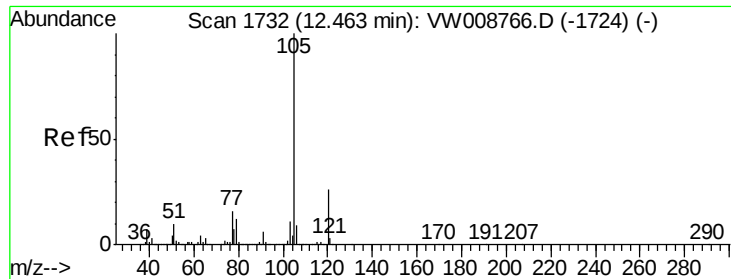
Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.6	85.8
150	179.4	0.0	348.0





#73

Isopropylbenzene

Concen: 54.831 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion: 105 Resp: 513223

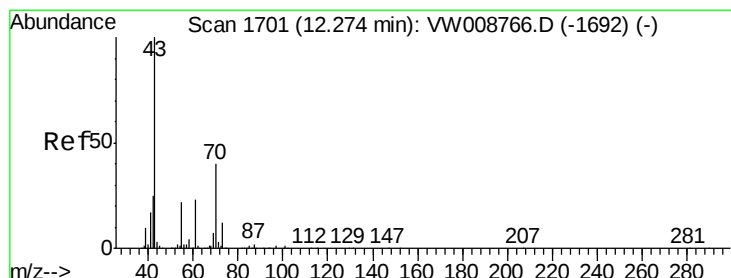
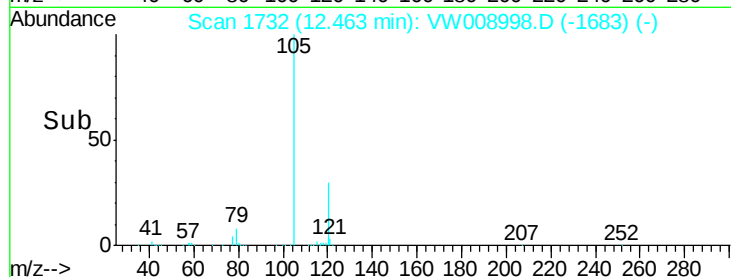
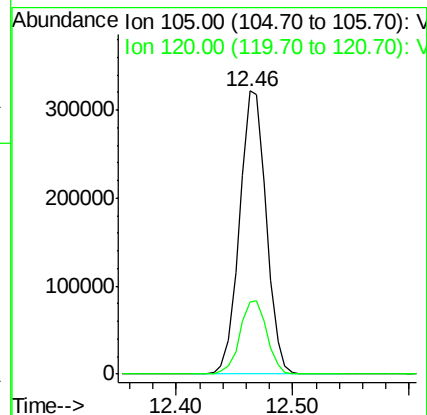
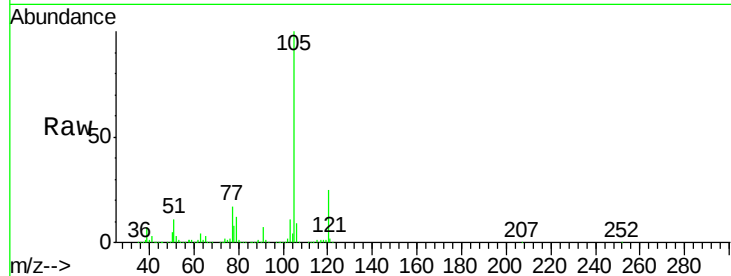
Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9

Manual Integrations
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3/6/2019 3:22:12 PM



#74

N-ethyl acetate

Concen: 57.080 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion: 43 Resp: 134578

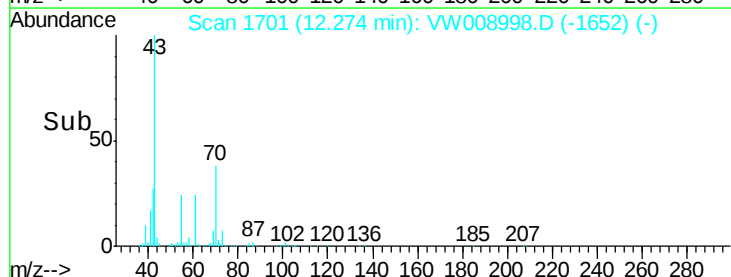
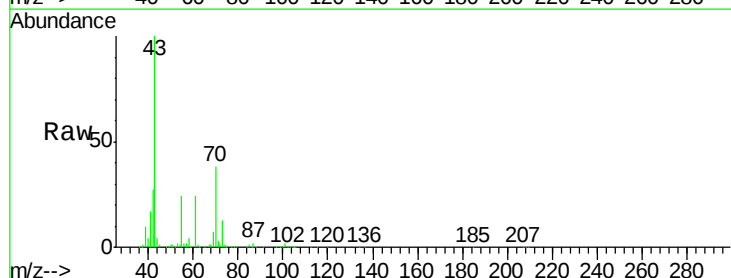
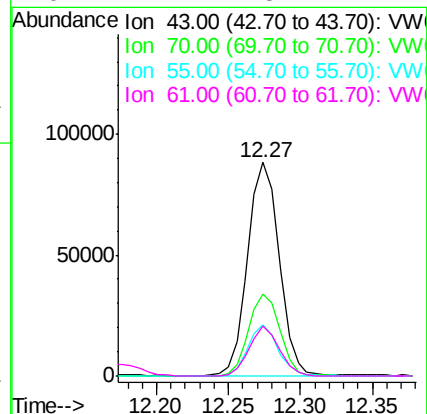
Ion Ratio Lower Upper

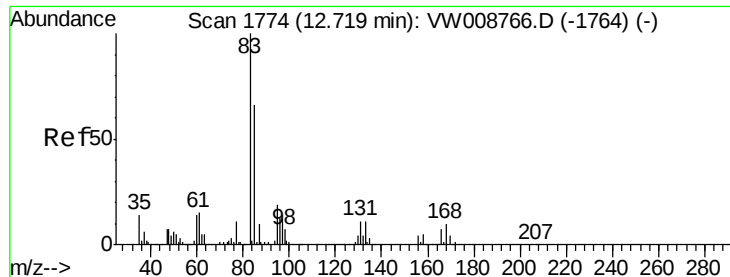
43 100

70 38.3 31.0 46.6

55 22.9 18.7 28.1

61 22.2 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.484 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

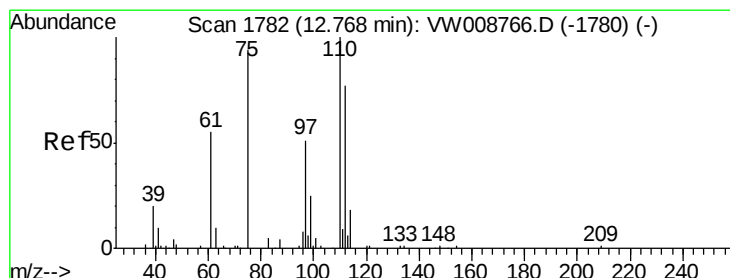
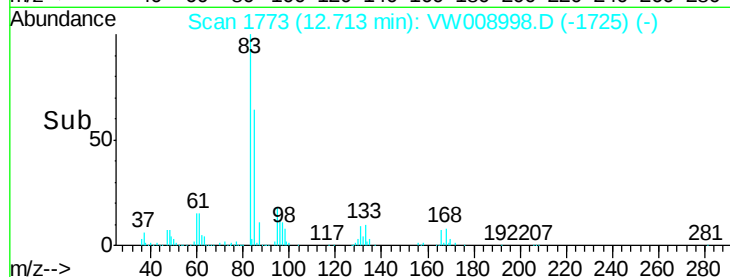
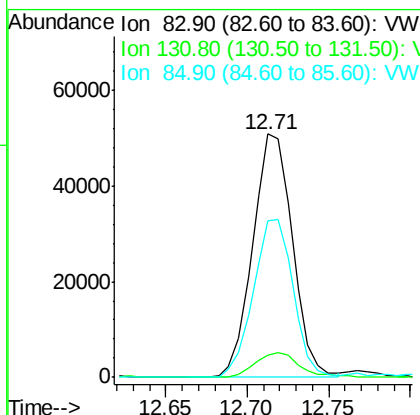
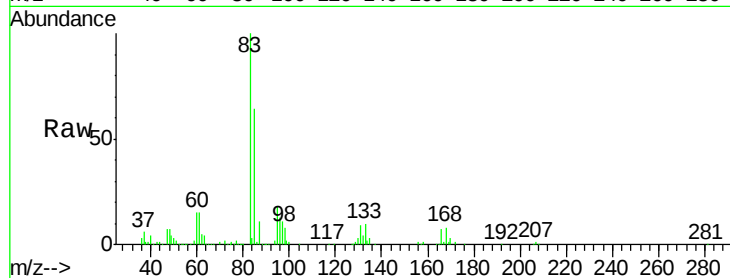
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:	83	Resp:	86386
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	64.9	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 56.233 ug/l m

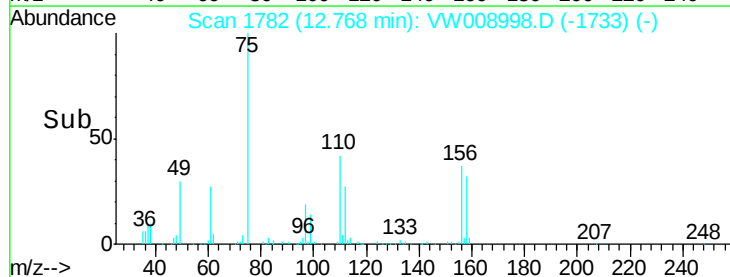
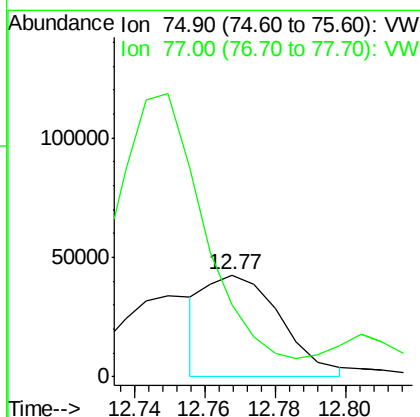
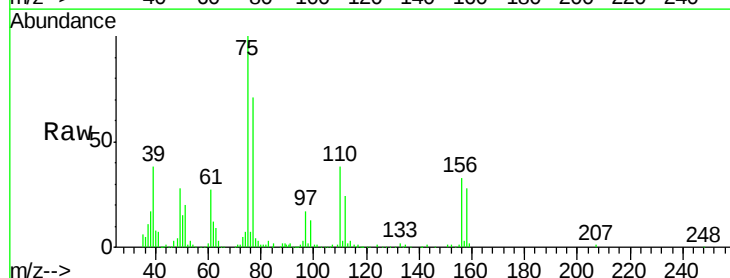
RT: 12.77 min Scan# 1782

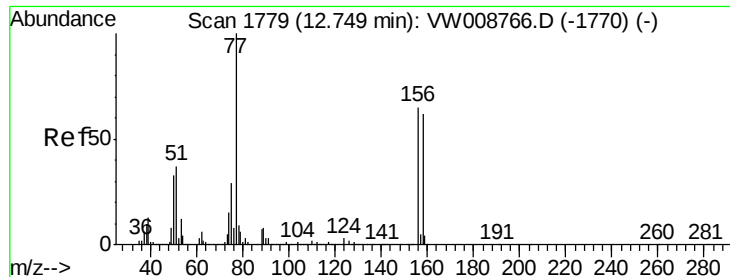
Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion:	75	Resp:	63390
Ion Ratio	Lower	Upper	
75	100		
77	344.3	0.0	0.0#





#77

Bromobenzene

Concen: 55.248 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

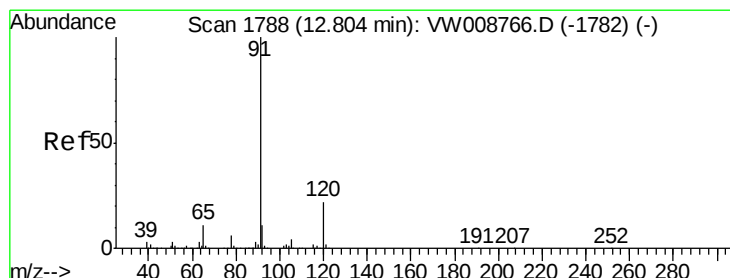
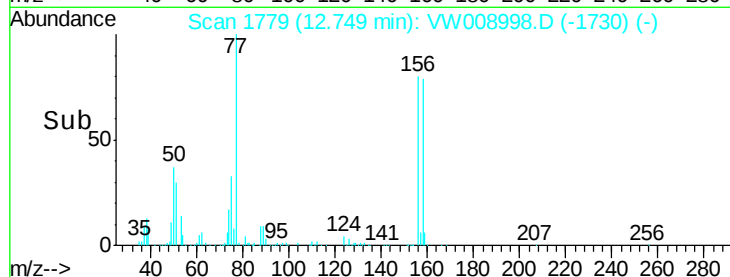
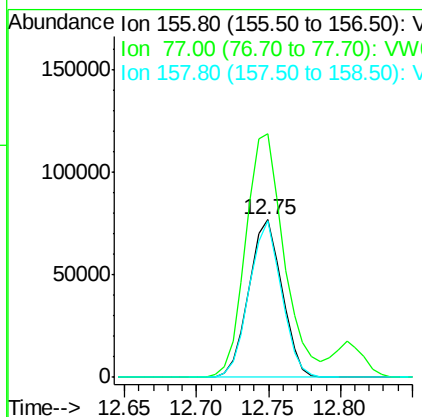
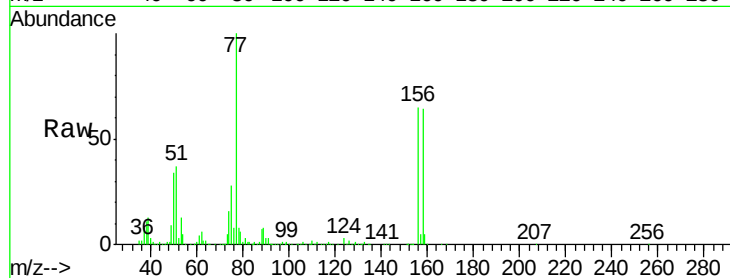
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:	156	Resp:	122201
Ion Ratio	Lower	Upper	
156	100		
77	178.6	89.1	267.4
158	96.6	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 54.864 ug/l

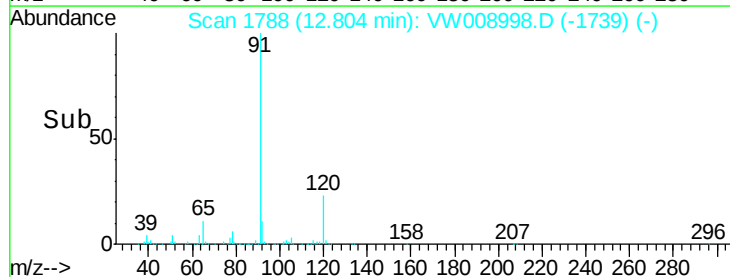
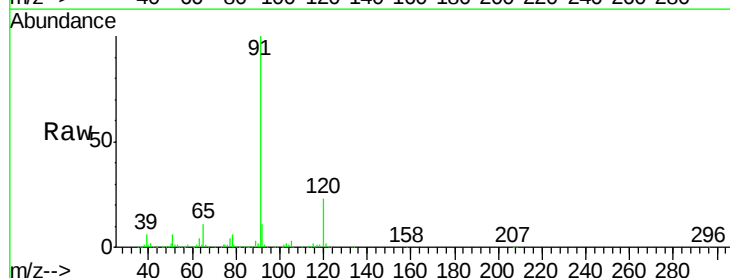
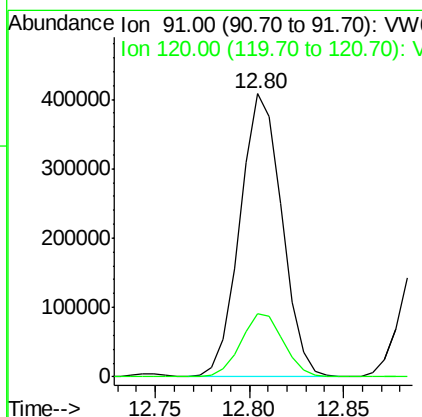
RT: 12.80 min Scan# 1788

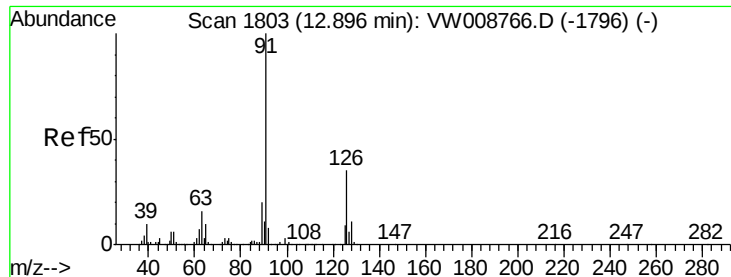
Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion:	91	Resp:	628161
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.5	34.4





#79

2-Chlorotoluene

Concen: 54.049 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion: 91 Resp: 351350

Ion Ratio Lower Upper

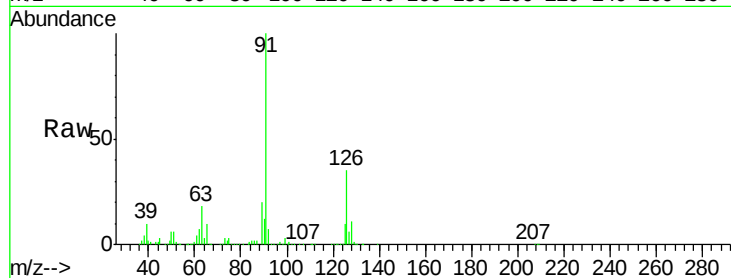
91 100

126 34.2 17.0 51.0

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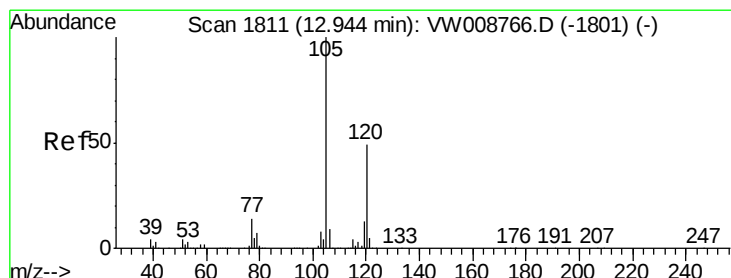
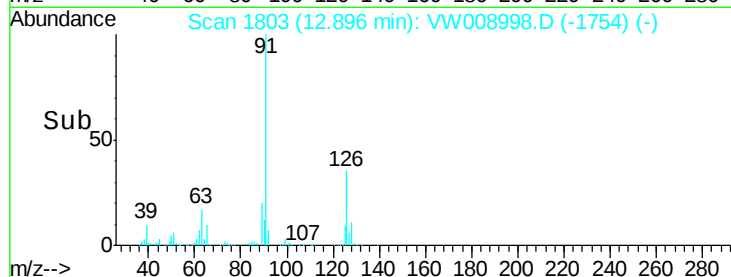
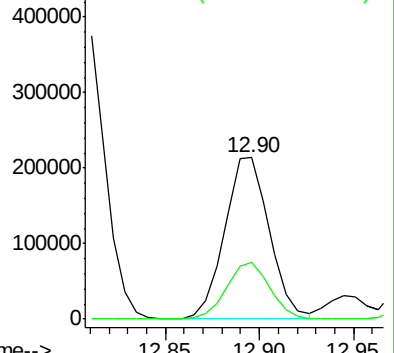
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.326 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008998.D

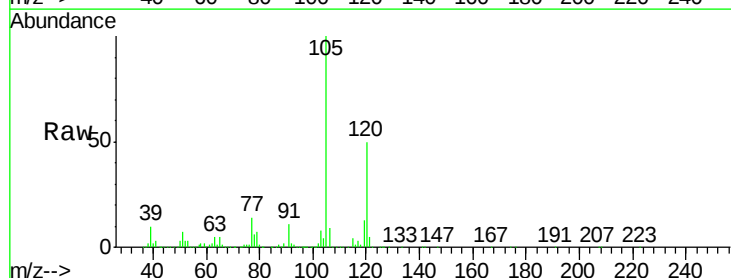
Acq: 05 Mar 2019 15:54

Tgt Ion: 105 Resp: 425621

Ion Ratio Lower Upper

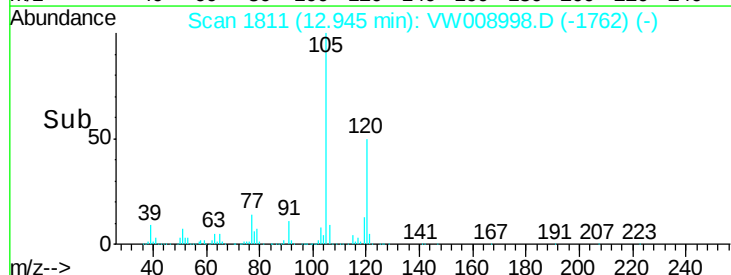
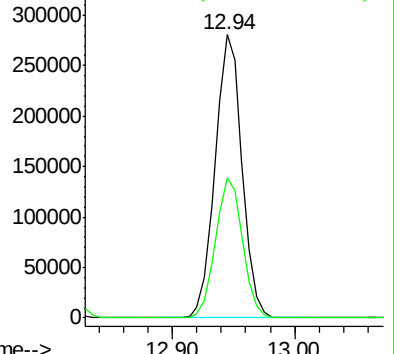
105 100

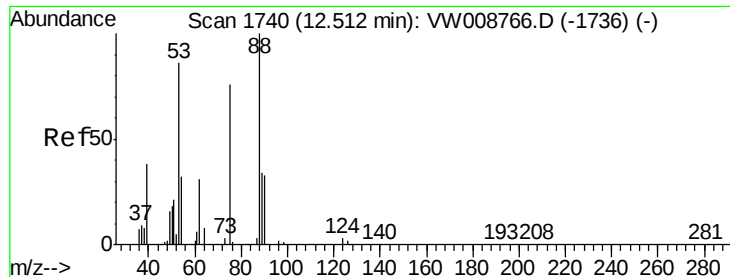
120 50.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





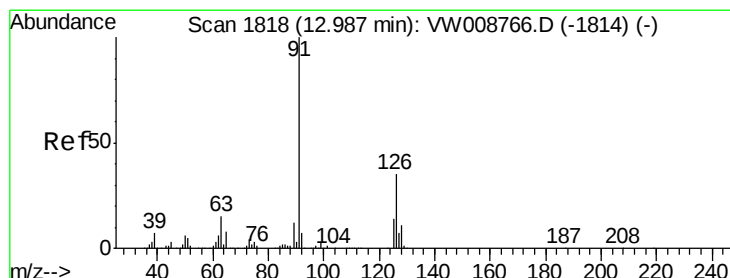
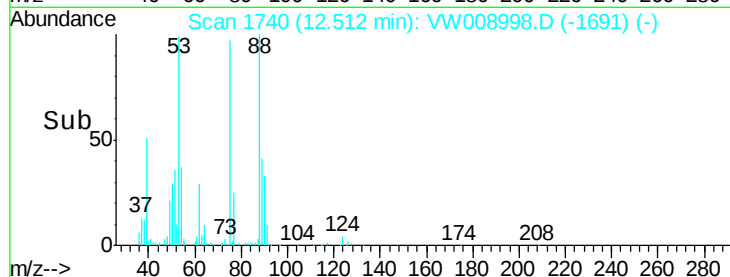
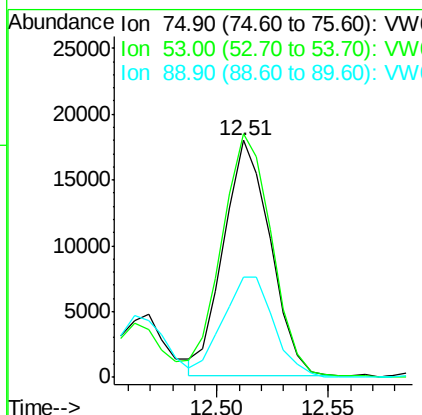
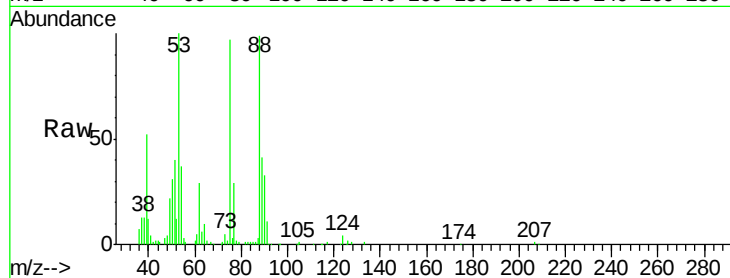
#81
trans-1,4-Dichloro-2-butene
Concen: 56.830 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.5	88.2	132.2
89	46.6	39.5	59.3

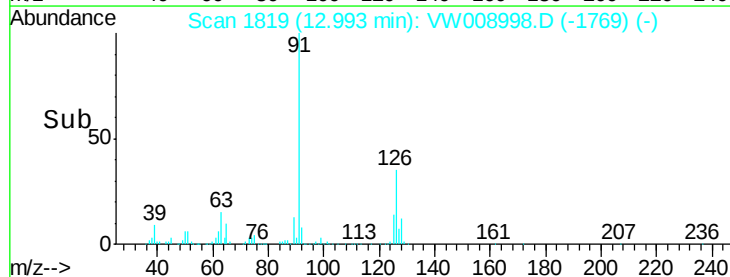
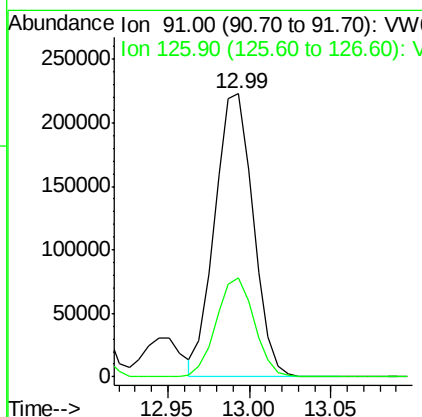
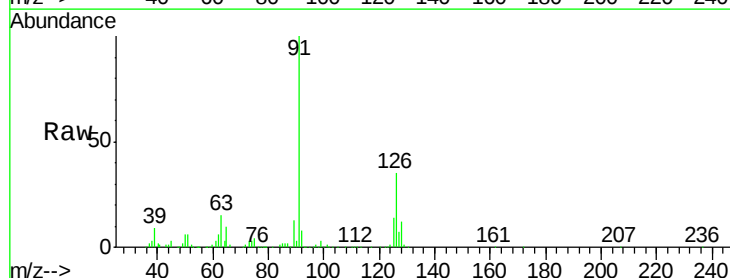
Manual Integrations
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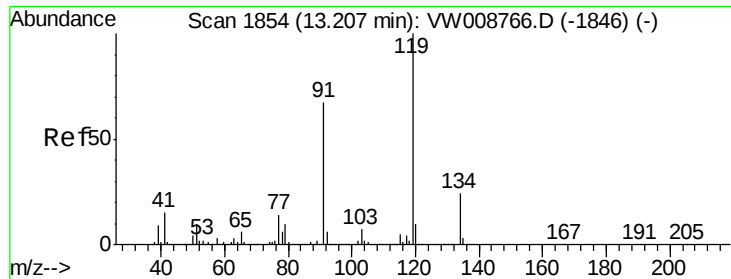
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#82
4-Chlorotoluene
Concen: 53.335 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.6





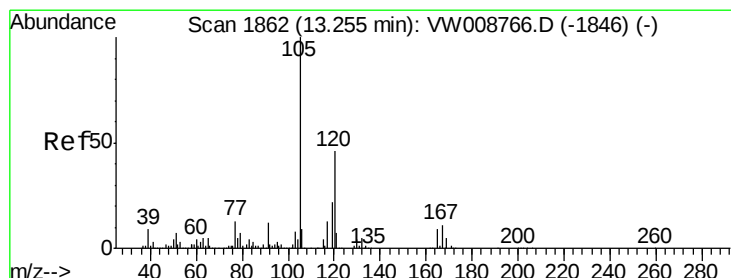
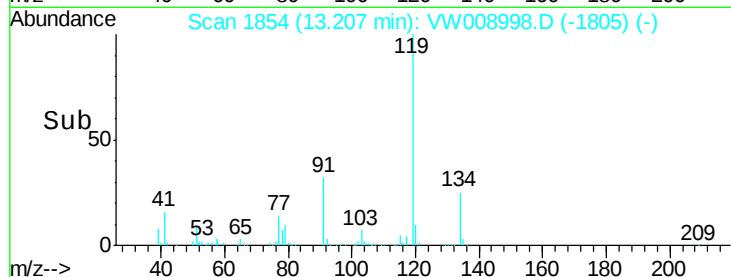
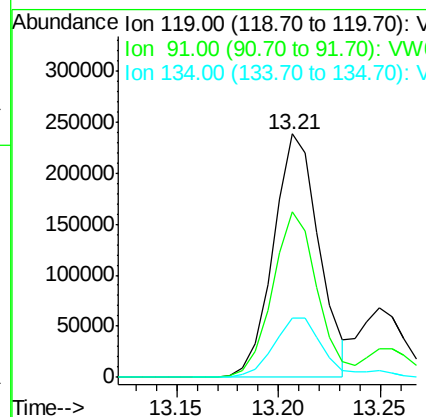
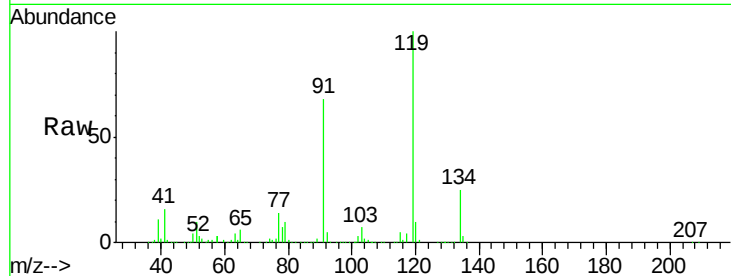
#83
tert-Butylbenzene
Concen: 52.934 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.6	100.8
134	27.6	13.7	41.1

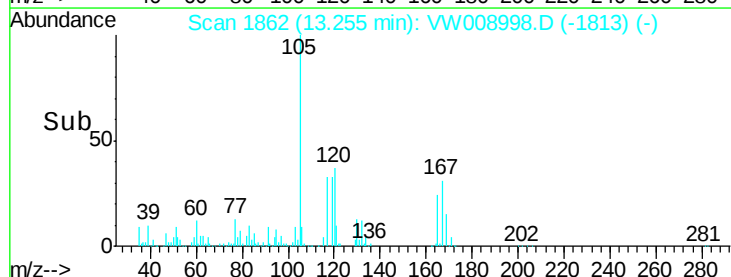
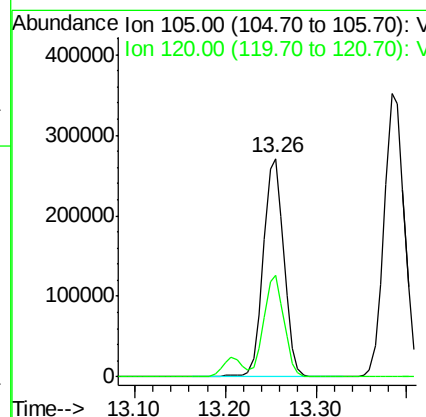
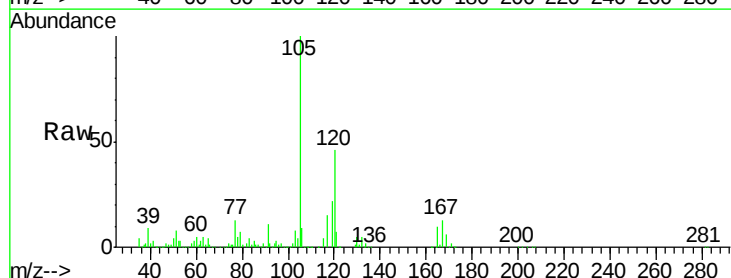
Manual Integrations
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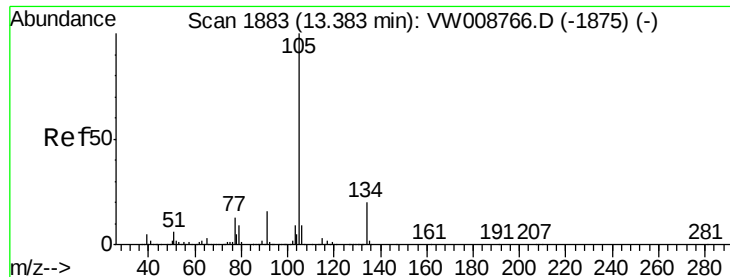
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#84
1,2,4-Trimethylbenzene
Concen: 50.511 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 53.608 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:105 Resp: 542141

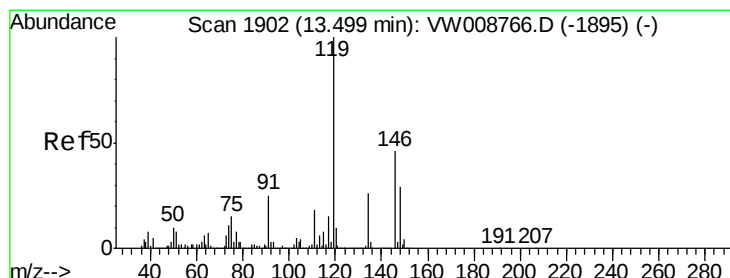
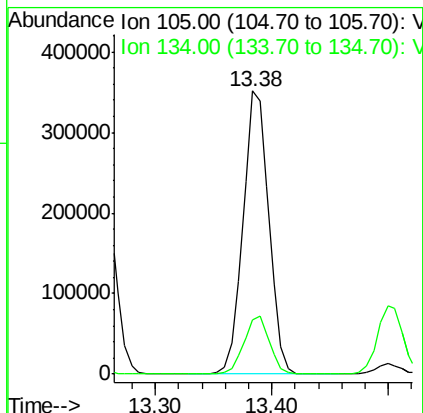
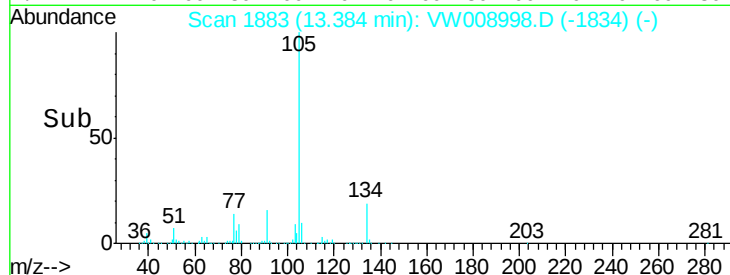
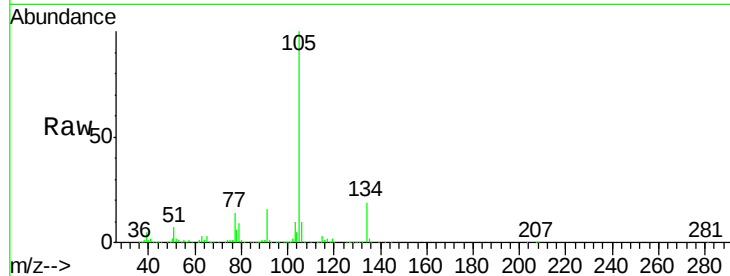
Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 52.664 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

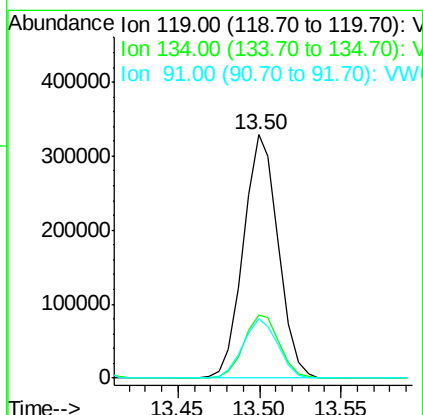
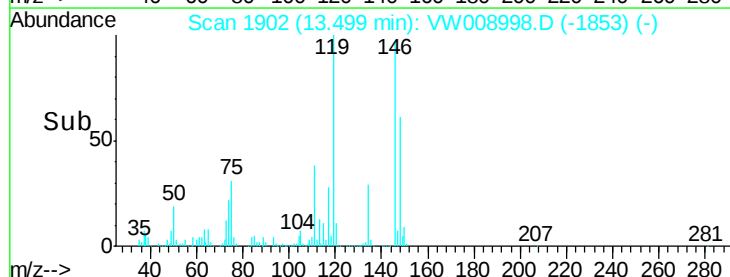
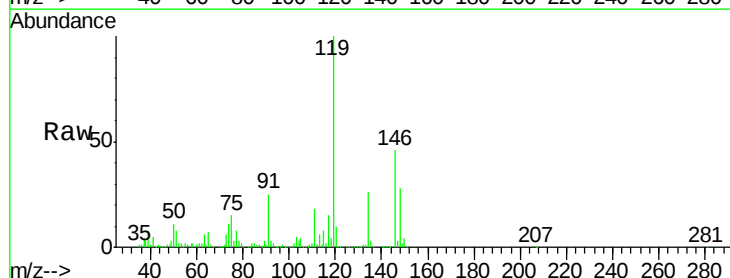
Tgt Ion:119 Resp: 488245

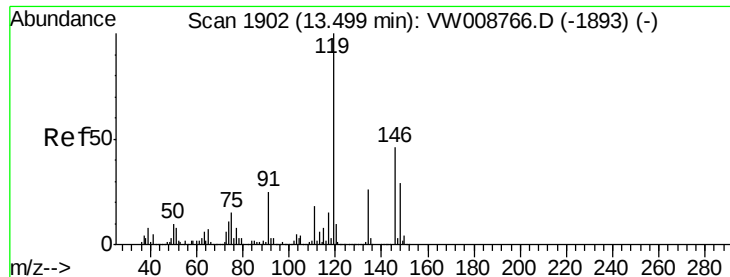
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 24.3 12.1 36.3





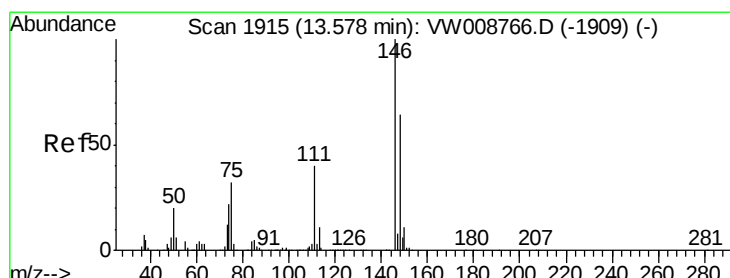
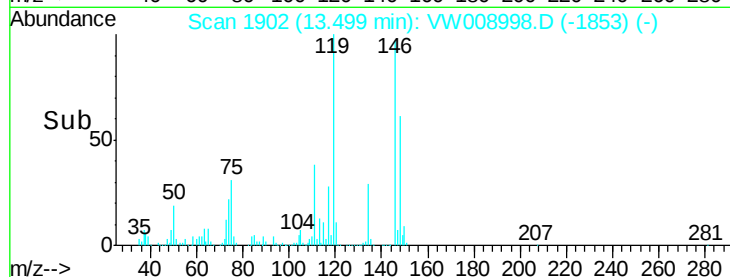
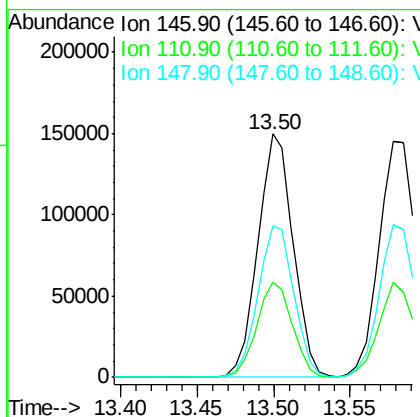
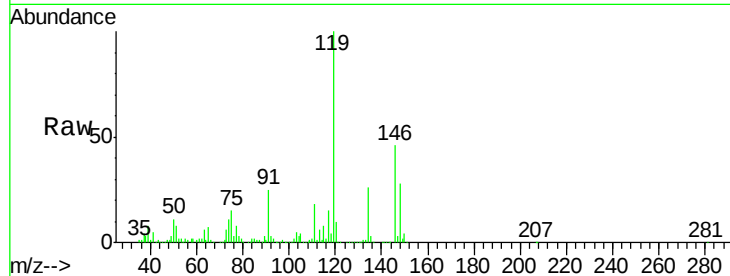
#87
 1,3-Dichlorobenzene
 Concen: 52.399 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.7
148	63.6	31.6	94.8

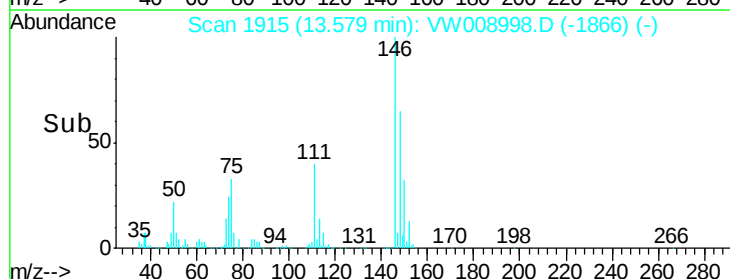
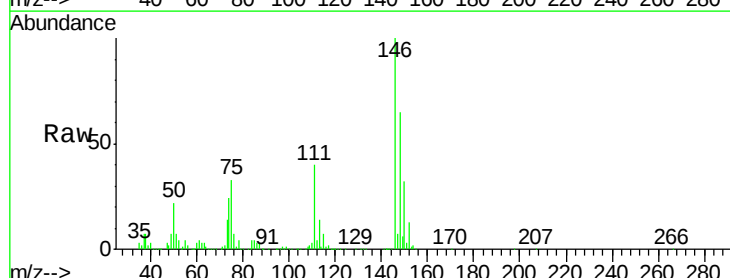
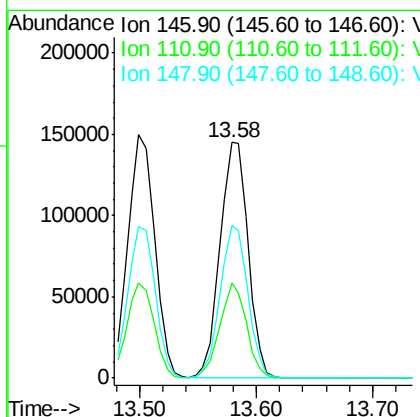
Manual Integrations
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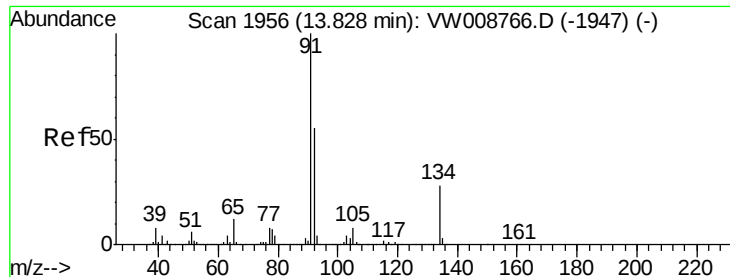
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#88
 1,4-Dichlorobenzene
 Concen: 53.405 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.9	31.9	95.9





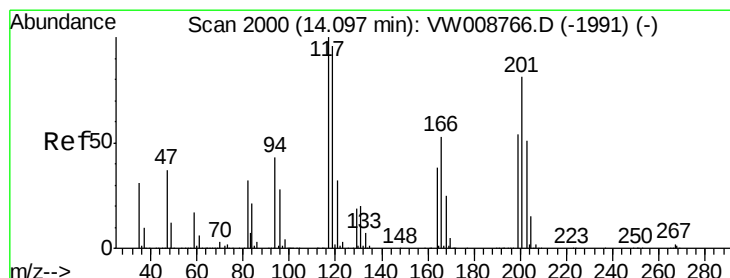
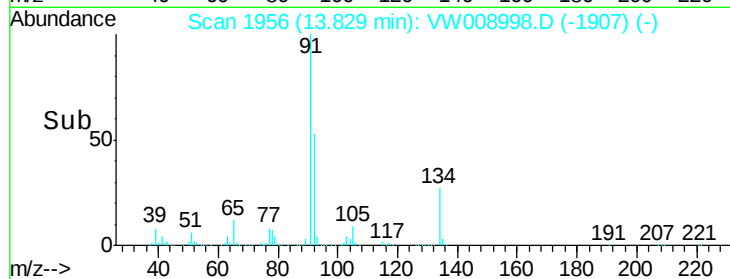
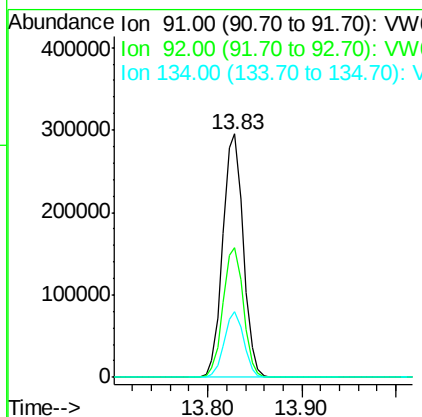
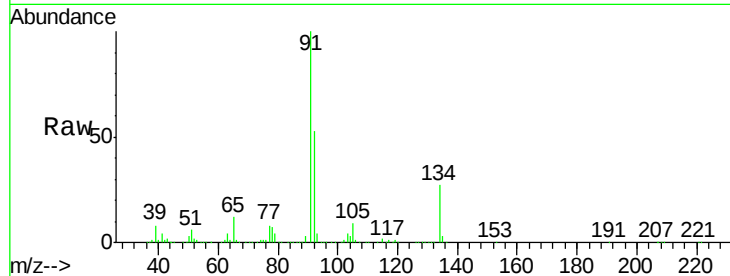
#89
n-Butylbenzene
Concen: 51.105 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	26.1	13.5	40.4

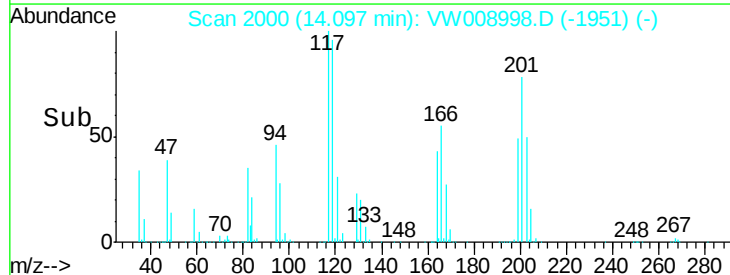
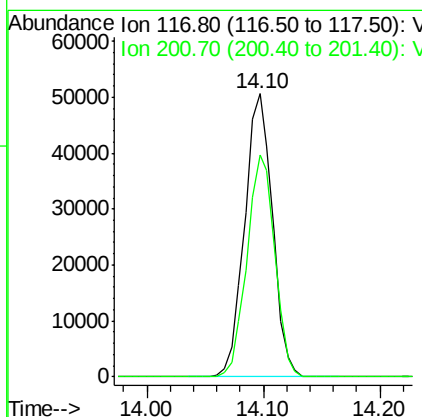
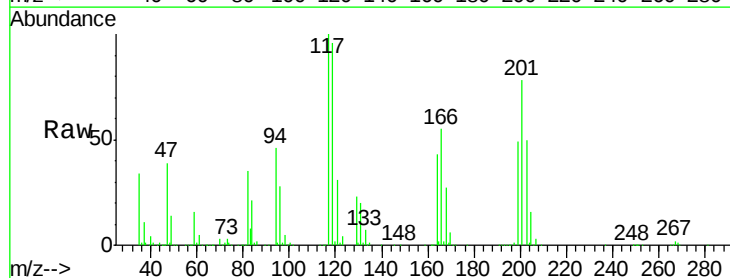
Manual Integrations
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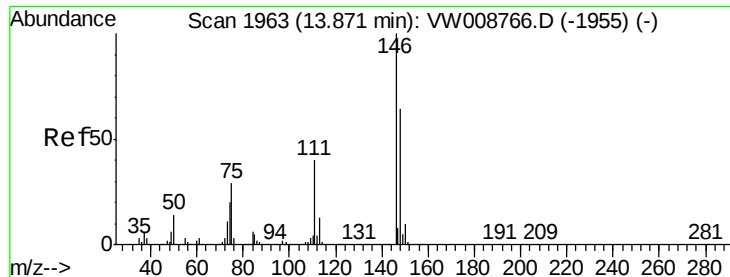
MMDadoda
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#90
Hexachloroethane
Concen: 55.864 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008998.D
Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	40.3	120.8





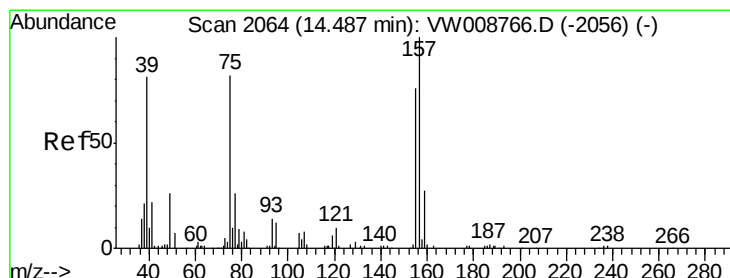
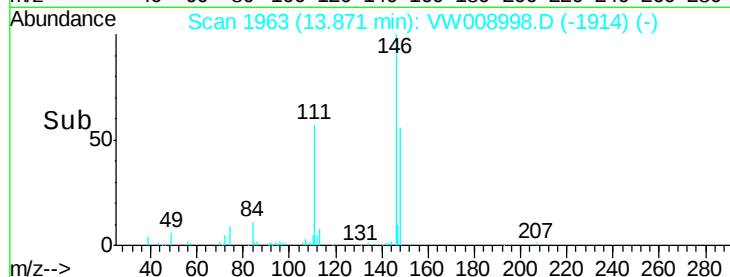
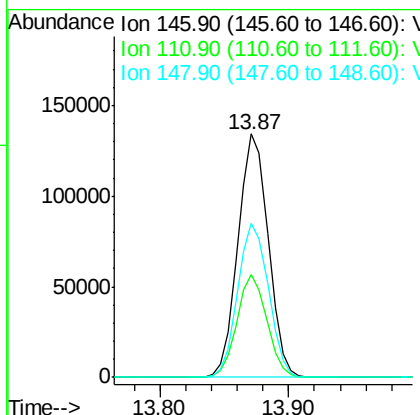
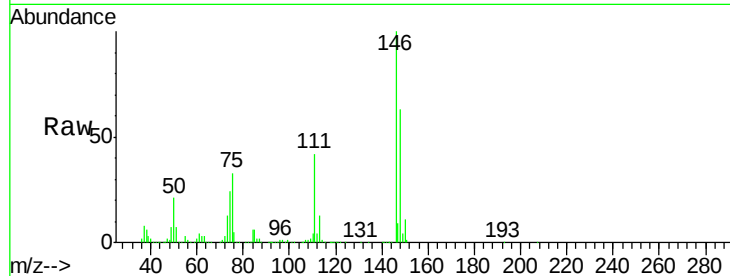
#91
 1,2-Dichlorobenzene
 Concen: 53.399 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	60.8
148	64.2	32.5	97.5

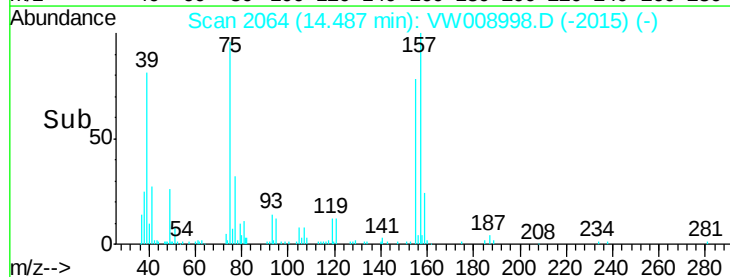
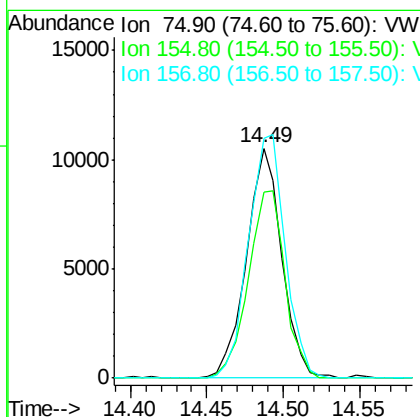
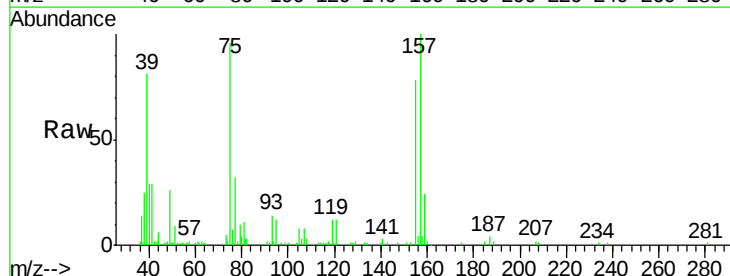
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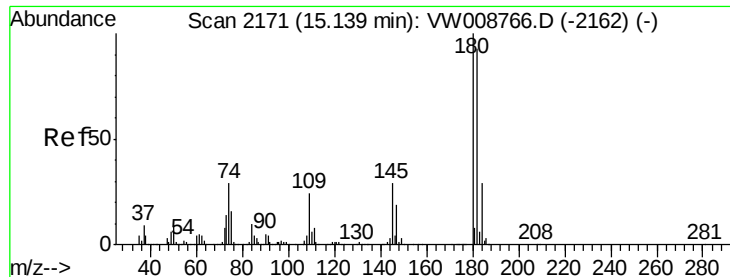
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.220 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	41.8	125.4
157	109.9	56.6	169.9





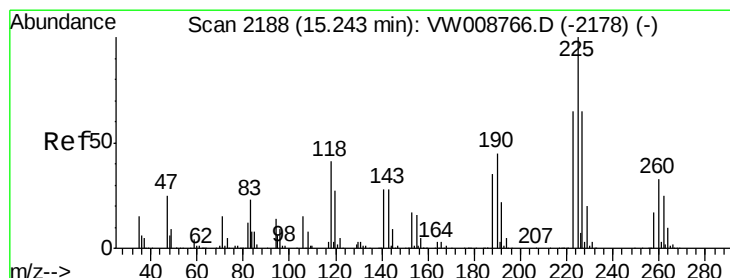
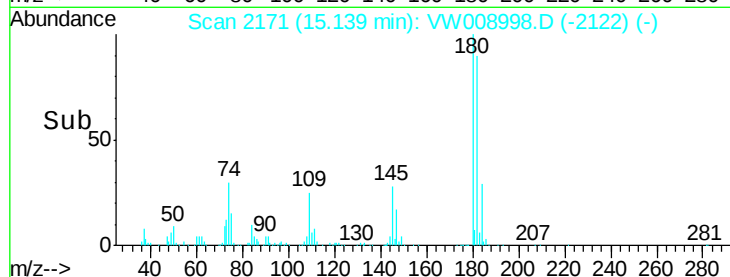
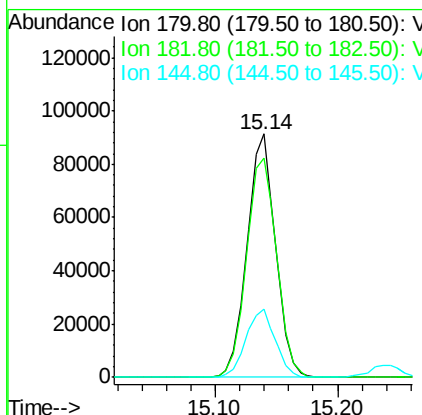
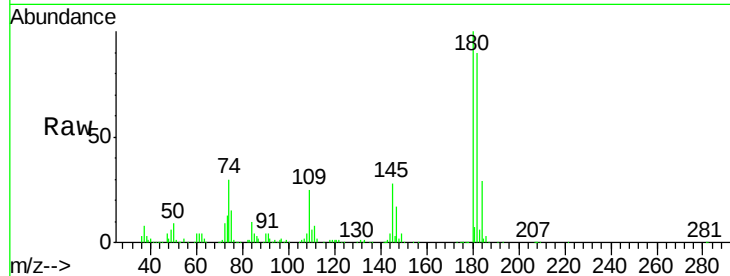
#93
 1,2,4-Trichlorobenzene
 Concen: 50.112 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147639		
182	95.5	47.2	141.6	
145	29.0	14.4	43.0	

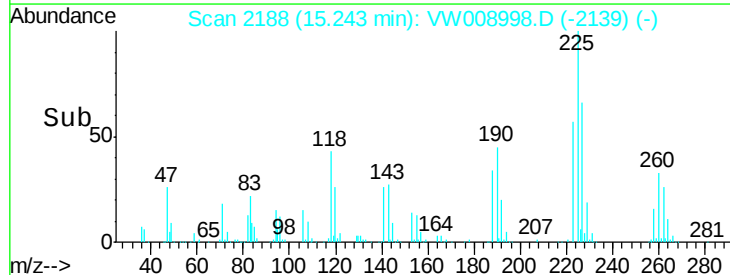
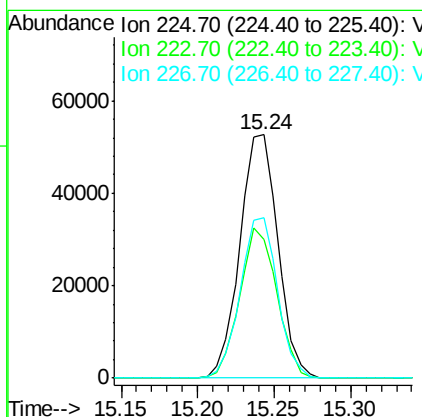
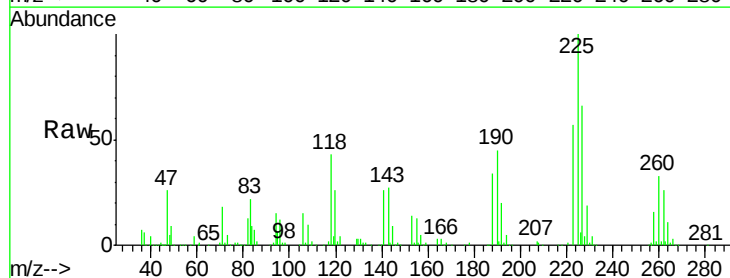
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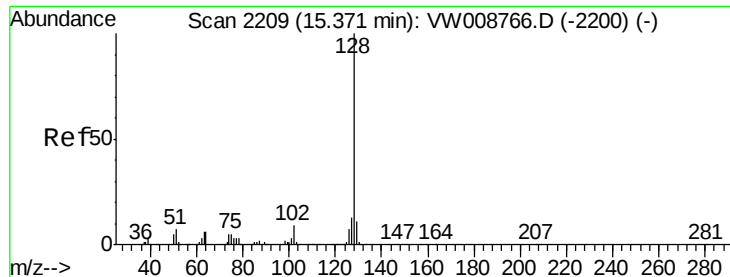
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#94
 Hexachlorobutadiene
 Concen: 52.603 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008998.D
 Acq: 05 Mar 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91288		
223	60.2	31.5	94.5	
227	64.3	31.6	94.8	





#95

Naphthalene

Concen: 52.921 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Instrument :

MSVOA_W

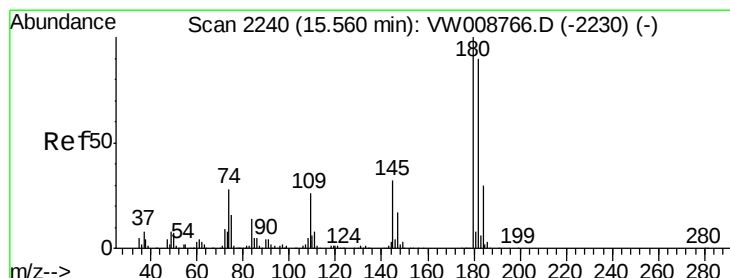
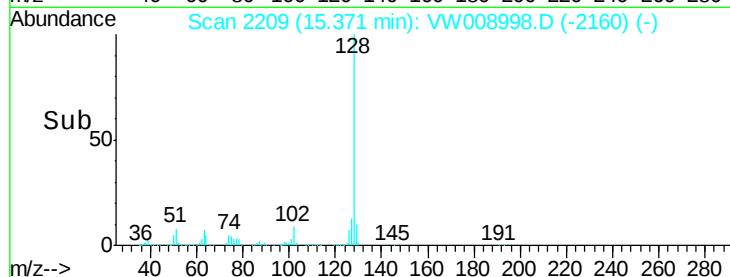
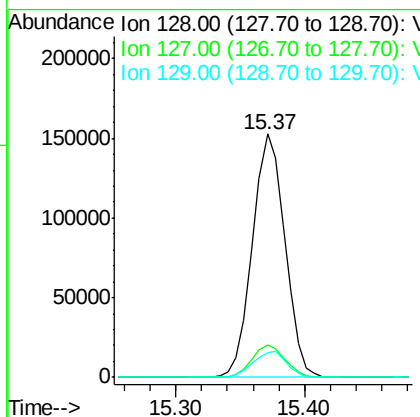
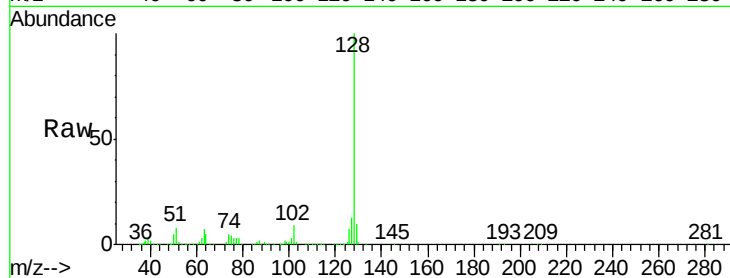
ClientSampleId :

A0C12-2-1.5-2.0MSD

Tot Ion:	128	Resp:	265463
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.8	16.2
129	11.1	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 50.490 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW008998.D

Acq: 05 Mar 2019 15:54

Tgt Ion:	180	Resp:	128615
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.9	140.8
145	32.0	15.9	47.6

