

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008097.D
 Acq On : 09 Jan 2019 12:37
 Operator : SY/AP
 Sample : VW0109SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 4:51:19 PM

Quant Time: Jan 10 06:13:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	154293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	136305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46171	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	
35) Dibromofluoromethane	7.88	113	43529	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.32	98	184754	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.62	95	62626	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	14256	18.849	ug/l	93
3) Chloromethane	2.21	50	18938	19.301	ug/l	98
4) Vinyl Chloride	2.37	62	26179	20.442	ug/l	95
5) Bromomethane	2.79	94	21216	22.116	ug/l	99
6) Chloroethane	2.93	64	17411	18.068	ug/l	100
7) Trichlorofluoromethane	3.26	101	18996	18.246	ug/l	93
8) Diethyl Ether	3.68	74	11736	19.940	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	21608	20.904	ug/l	98
10) Methyl Iodide	4.26	142	31355	20.813	ug/l	99
11) Tert butyl alcohol	5.21	59	6687	87.075	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	21204	20.894	ug/l	96
13) Acrolein	3.90	56	5686	80.989	ug/l	98
14) Allyl chloride	4.67	41	38995	21.163	ug/l	99
15) Acrylonitrile	5.37	53	22989	102.594	ug/l	100
16) Acetone	4.14	43	22766	109.736	ug/l	92
17) Carbon Disulfide	4.37	76	63045	19.886	ug/l	100
18) Methyl Acetate	4.68	43	12612	19.159	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	33040	20.026	ug/l	100
20) Methylene Chloride	4.92	84	24159	20.746	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	22619	20.509	ug/l	90
22) Diisopropyl ether	6.31	45	72109	20.520	ug/l	97
23) Vinyl Acetate	6.26	43	194123	105.182	ug/l	99
24) 1,1-Dichloroethane	6.21	63	41082	20.064	ug/l	98
25) 2-Butanone	7.18	43	31406	108.375	ug/l	98
26) 2,2-Dichloropropane	7.17	77	26847	19.351	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	24232	20.139	ug/l	97
28) Bromochloromethane	7.51	49	14939	18.446	ug/l	98
29) Tetrahydrofuran	7.54	42	19243	99.408	ug/l	99
30) Chloroform	7.68	83	39430	20.232	ug/l	96
31) Cyclohexane	7.96	56	41601	18.979	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	32839	19.365	ug/l	99
36) 1,1-Dichloropropene	8.08	75	33096	20.823	ug/l	99
37) Ethyl Acetate	7.26	43	14249	22.378	ug/l	98
38) Carbon Tetrachloride	8.07	117	29850	20.519	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	40648	20.170	ug/l	96
40) Benzene	8.32	78	90913	21.089	ug/l	97
41) Methacrylonitrile	7.49	41	8117	20.180	ug/l	98
42) 1,2-Dichloroethane	8.40	62	24615	20.302	ug/l	100
43) Isopropyl Acetate	8.43	43	27496	21.597	ug/l	98
44) Trichloroethene	9.09	130	23167	20.994	ug/l	97
45) 1,2-Dichloropropane	9.37	63	23515	21.999	ug/l	97
46) Dibromomethane	9.46	93	10786	20.547	ug/l	96
47) Bromodichloromethane	9.65	83	26686	20.021	ug/l	95
48) Methyl methacrylate	9.44	41	12960	21.574	ug/l	100
49) 1,4-Dioxane	9.46	88	3318	393.033	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	64899	105.312	ug/l	98
52) Toluene	10.39	92	57147	20.758	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	28376	20.466	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	34331	20.881	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	15538	21.082	ug/l	97
56) Ethyl methacrylate	10.65	69	19370	21.222	ug/l	99
57) 1,3-Dichloropropane	10.93	76	28136	20.874	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	48756	103.412	ug/l	99
59) 2-Hexanone	10.97	43	45936	110.227	ug/l	97
60) Dibromochloromethane	11.13	129	16894	20.874	ug/l	97
61) 1,2-Dibromoethane	11.24	107	14409	20.604	ug/l	100
64) Tetrachloroethene	10.86	164	19225	21.673	ug/l	94
65) Chlorobenzene	11.66	112	60484	20.945	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	19609	20.877	ug/l	99
67) Ethyl Benzene	11.73	91	109433	20.711	ug/l	100
68) m/p-Xylenes	11.84	106	84714	42.005	ug/l	98
69) o-Xylene	12.17	106	39473	21.136	ug/l	97
70) Styrene	12.18	104	61639	21.071	ug/l	99
71) Bromoform	12.35	173	9092	21.629	ug/l #	94
73) Isopropylbenzene	12.47	105	108456	20.506	ug/l	99
74) N-amyl acetate	12.27	43	24805	21.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	17624	20.818	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	13174m	21.451	ug/l	
77) Bromobenzene	12.75	156	23193	20.753	ug/l	95
78) n-propylbenzene	12.81	91	131987	20.367	ug/l	99
79) 2-Chlorotoluene	12.90	91	72443	20.037	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	89325	20.552	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5628	21.341	ug/l	98
82) 4-Chlorotoluene	12.99	91	77055	20.236	ug/l	98
83) tert-Butylbenzene	13.21	119	79813	20.757	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	91055	20.313	ug/l	99
85) sec-Butylbenzene	13.39	105	115073	20.430	ug/l	100
86) p-Isopropyltoluene	13.51	119	99670	20.492	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	47017	20.740	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	47264	20.780	ug/l	98
89) n-Butylbenzene	13.83	91	98263	20.627	ug/l	99
90) Hexachloroethane	14.10	117	16993	20.684	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	42257	21.210	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2713	19.913	ug/l	90

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ClientSampleId :
VW0109SBSD01

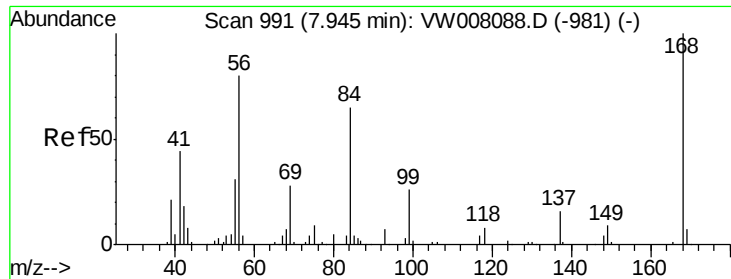
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	28131	21.267	ug/l	99
94) Hexachlorobutadiene	15.24	225	16060	22.684	ug/l	98
95) Naphthalene	15.38	128	49773	20.152	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	24414	21.651	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. 0.01 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion:168 Resp: 92671

Ion Ratio Lower Upper

168 100

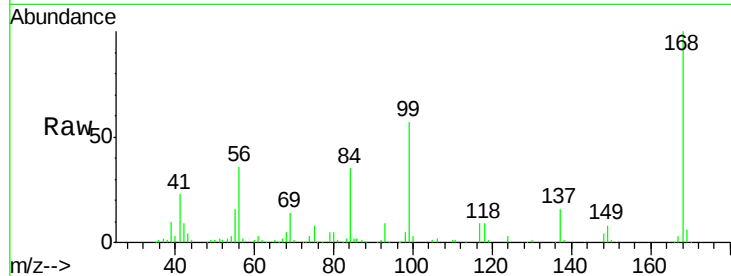
99 57.5 52.6 78.8

Manual Integrations

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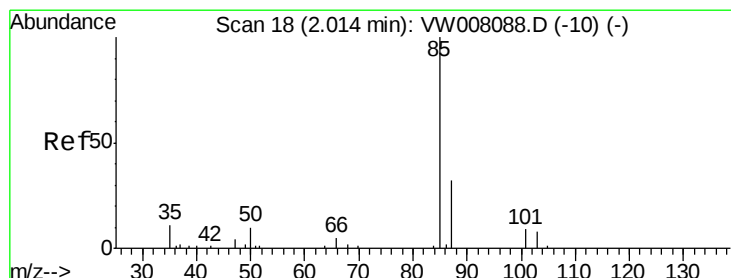
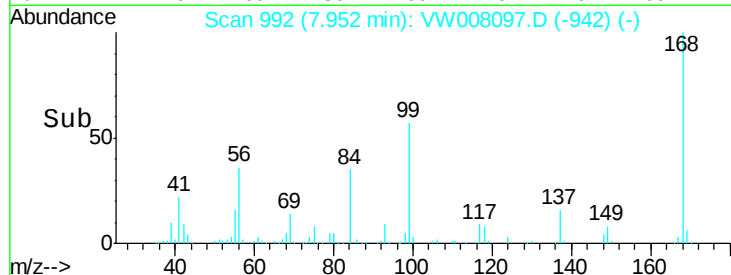
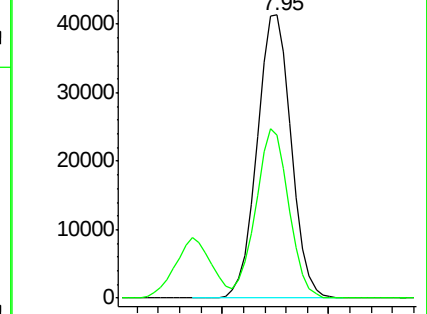
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.849 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008097.D

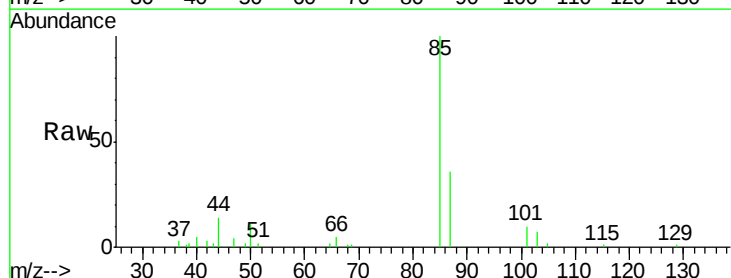
Acq: 09 Jan 2019 12:37

Tgt Ion: 85 Resp: 14256

Ion Ratio Lower Upper

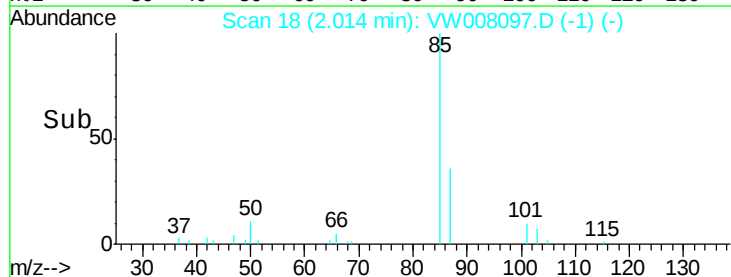
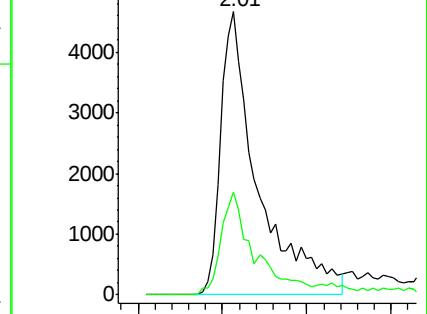
85 100

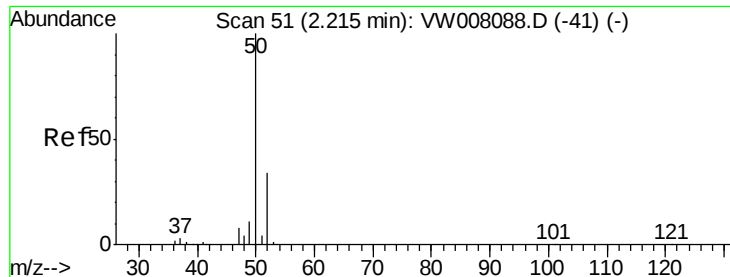
87 36.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.301 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 50 Resp: 18938

Ion Ratio Lower Upper

50 100

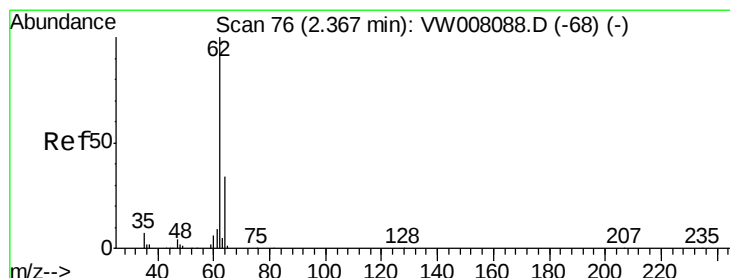
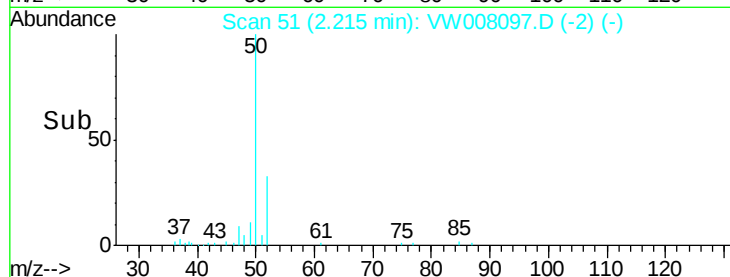
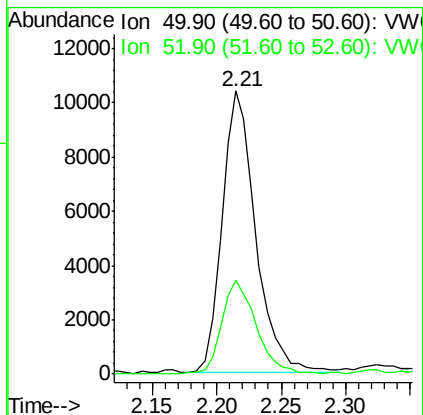
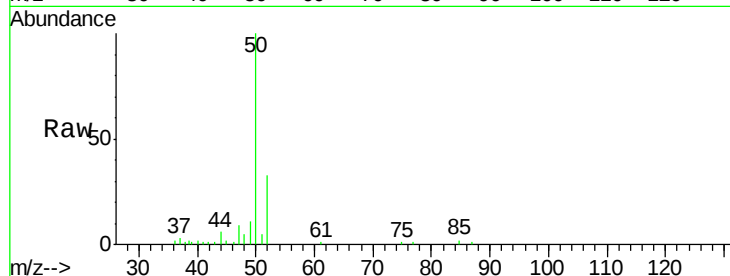
52 32.6 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.442 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008097.D

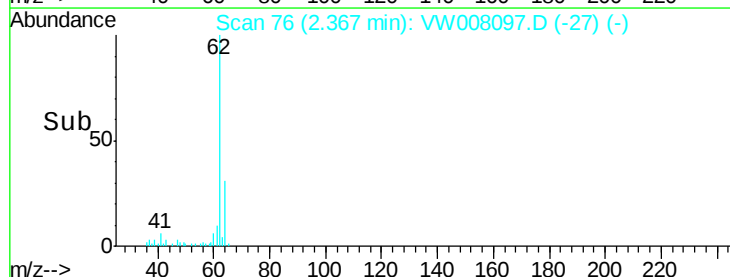
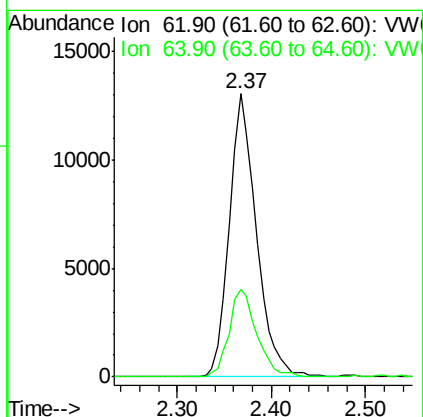
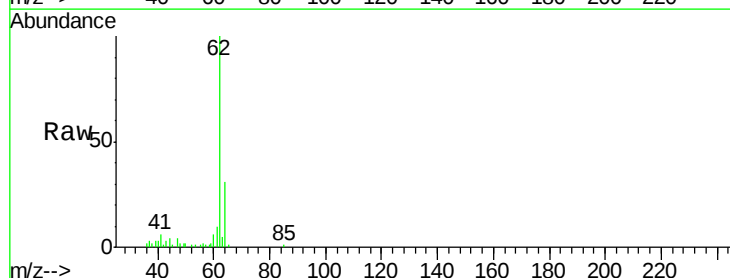
Acq: 09 Jan 2019 12:37

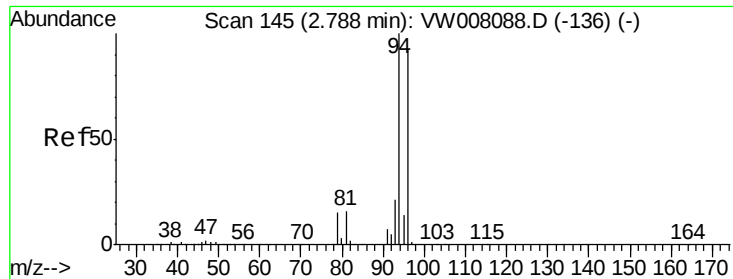
Tgt Ion: 62 Resp: 26179

Ion Ratio Lower Upper

62 100

64 30.8 27.0 40.6





#5

Bromomethane

Concen: 22.116 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 94 Resp: 21216

Ion Ratio Lower Upper

94 100

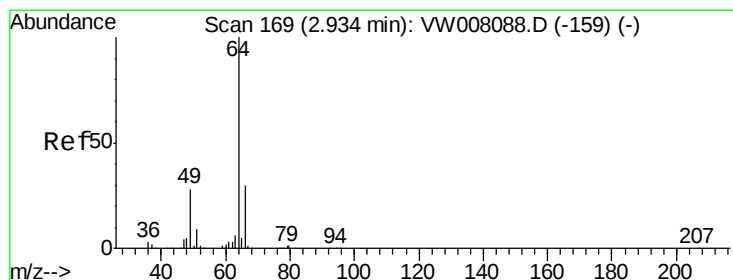
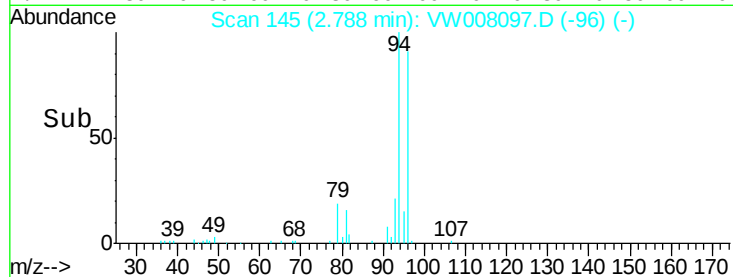
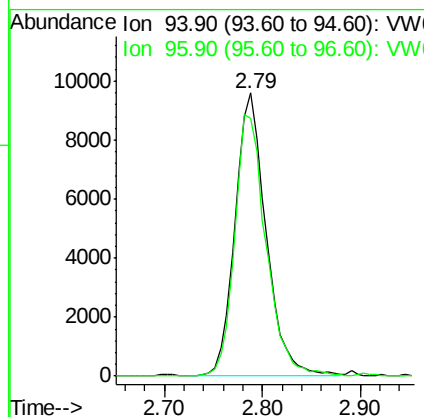
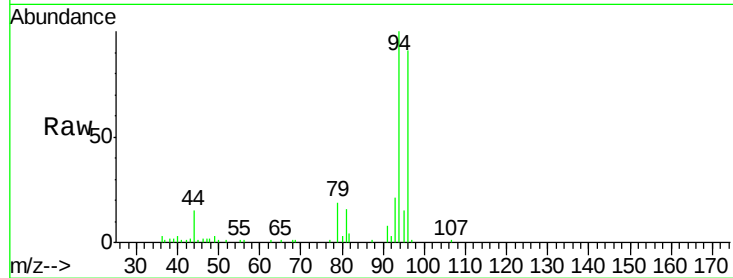
96 91.2 74.1 111.1

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 18.068 ug/l

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW008097.D

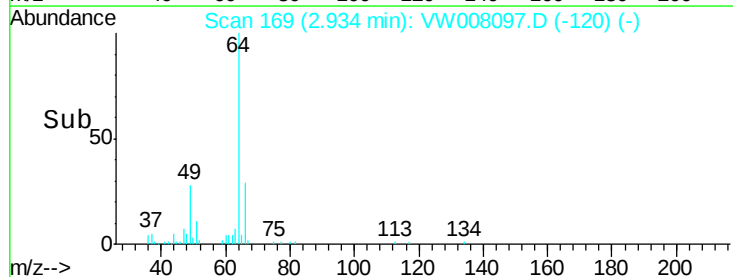
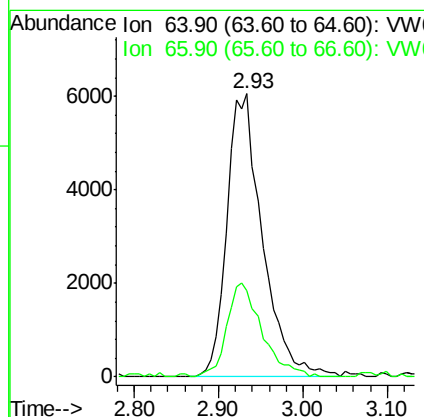
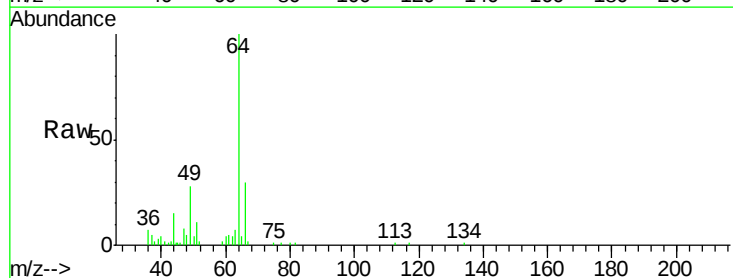
Acq: 09 Jan 2019 12:37

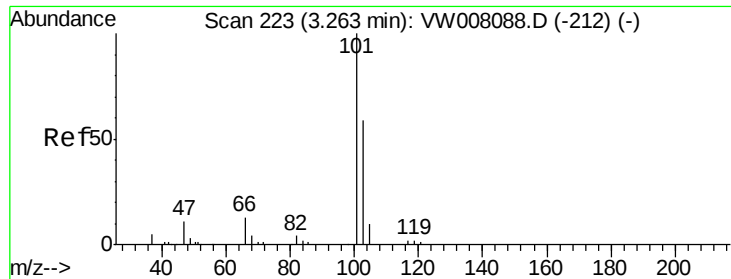
Tgt Ion: 64 Resp: 17411

Ion Ratio Lower Upper

64 100

66 30.3 24.2 36.2





#7

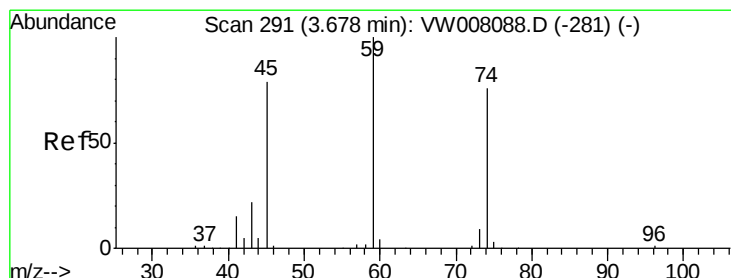
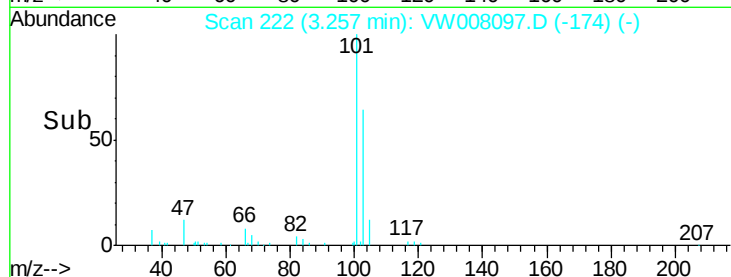
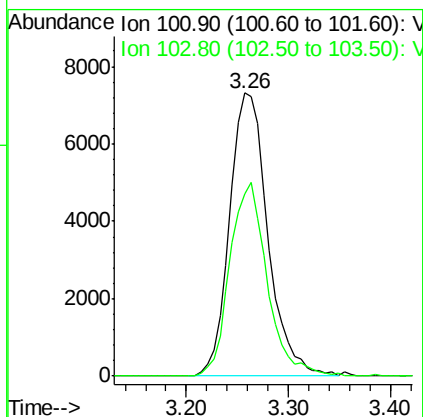
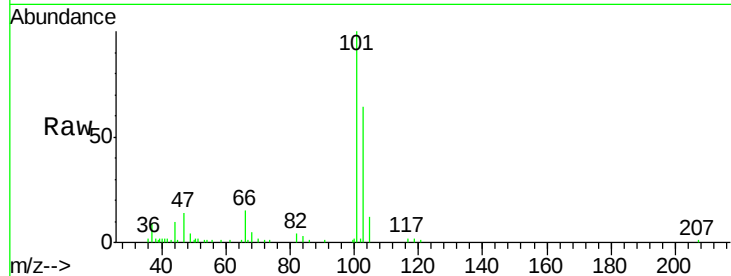
Trichlorofluoromethane
 Concen: 18.246 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

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 VW0109SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	47.0	70.6

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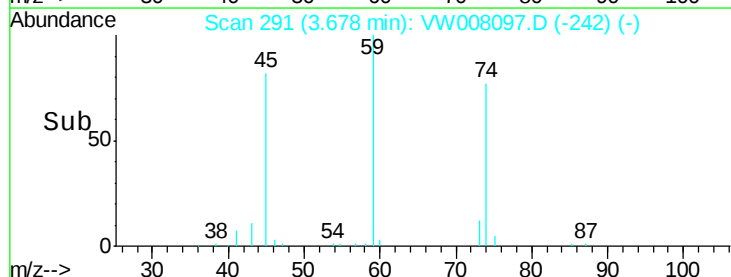
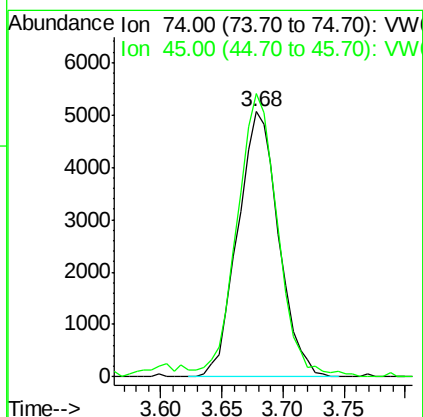
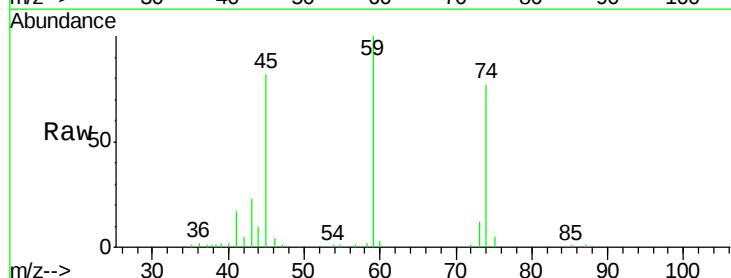
MMDadoda
 1/10/2019 4:51:19 PM

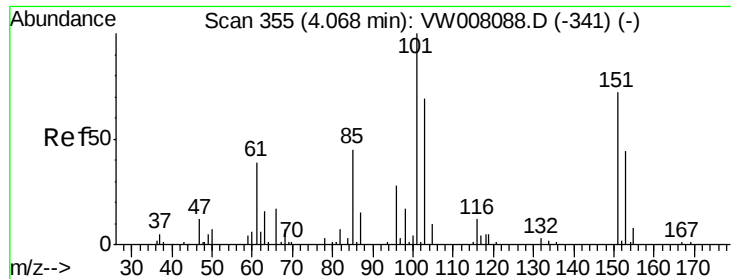


#8

Diethyl Ether
 Concen: 19.940 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.904 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

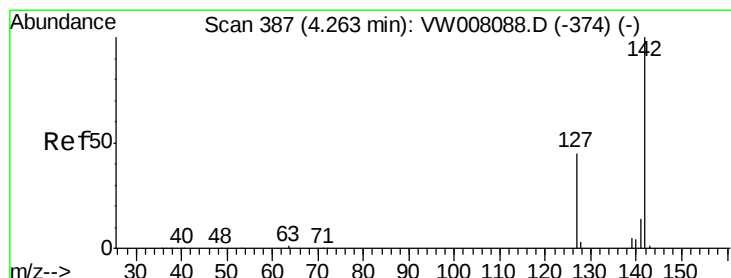
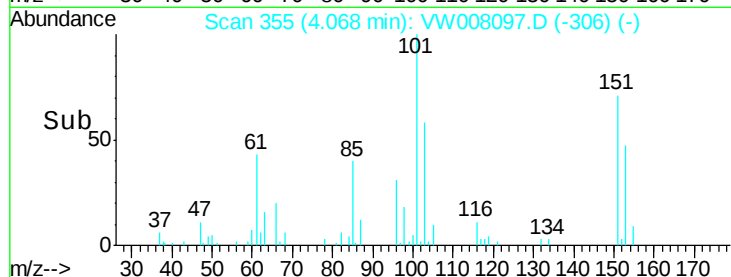
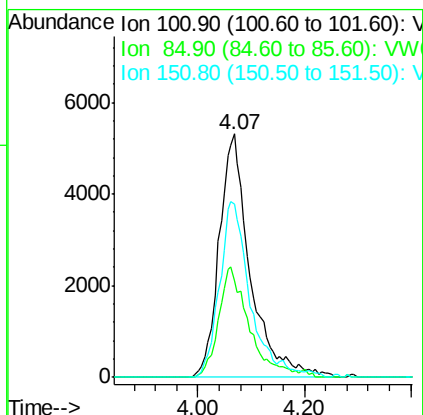
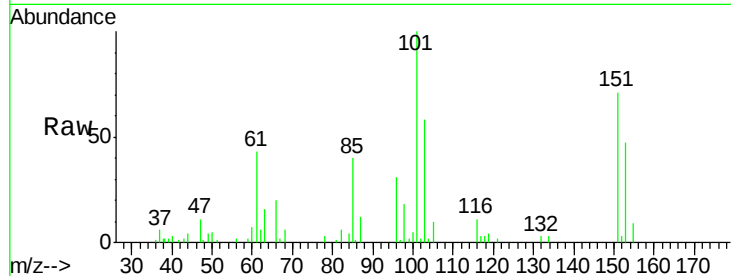
ClientSampleId :

VW0109SBS01

Tot Ion:	101	Resp:	21608
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.9	53.9
151	67.9	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.813 ug/l

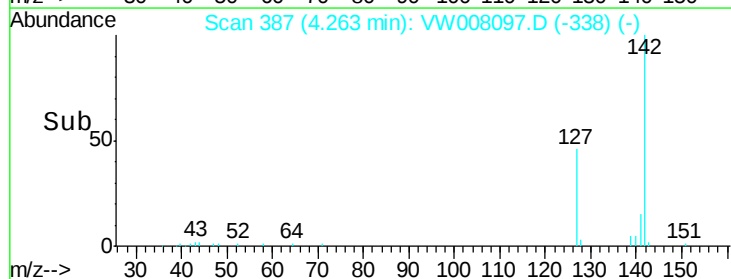
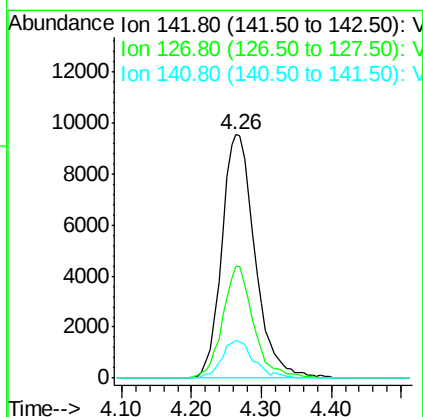
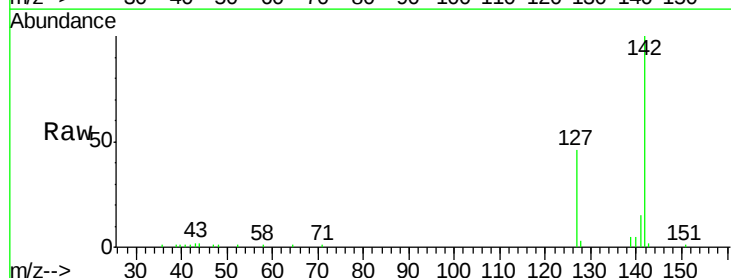
RT: 4.26 min Scan# 387

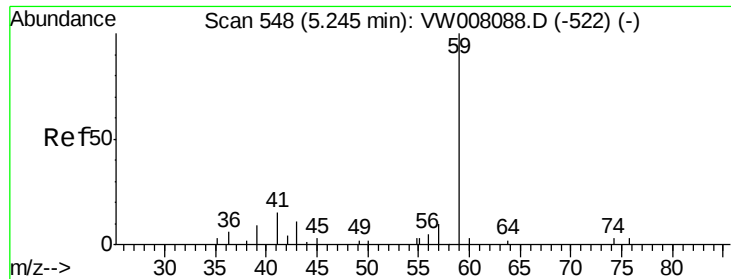
Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Tgt Ion:	142	Resp:	31355
Ion Ratio	Lower	Upper	
142	100		
127	42.8	35.0	52.4
141	14.9	11.8	17.6





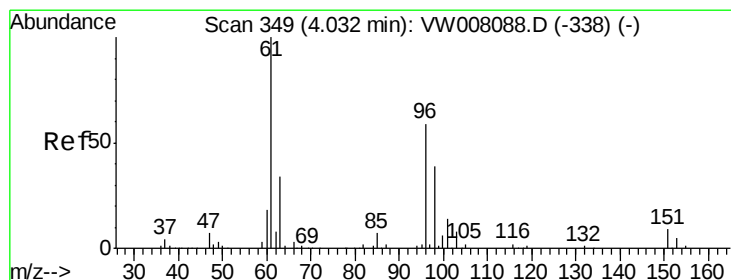
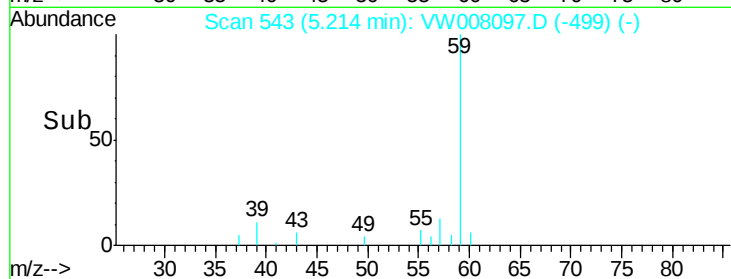
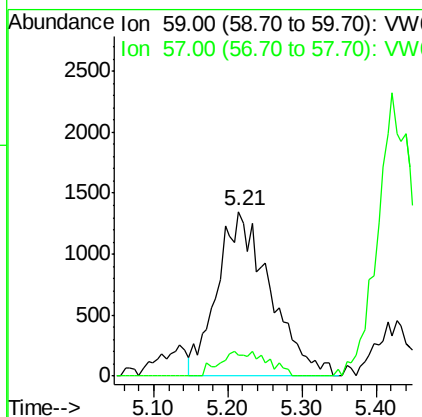
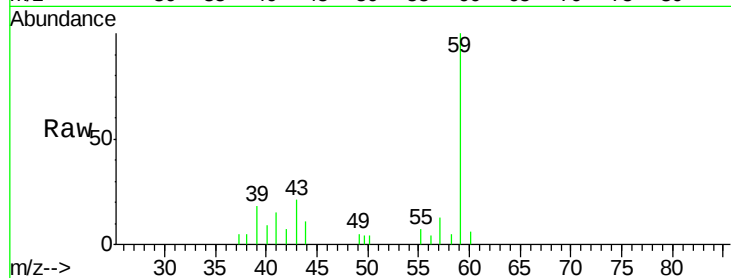
#11
Tert butyl alcohol
Concen: 87.075 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.03 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleID :
VW0109SBS01

Tot Ion: 59 Resp: 6687
Ion Ratio Lower Upper
59 100
57 7.6 0.0 0.0#

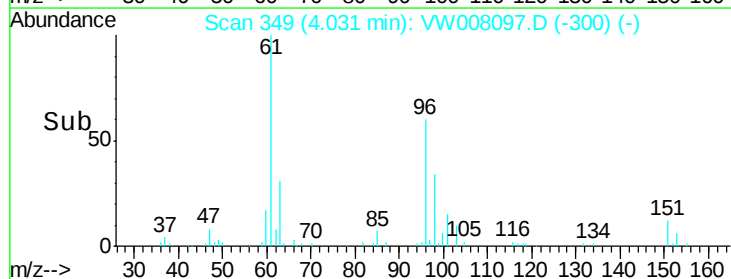
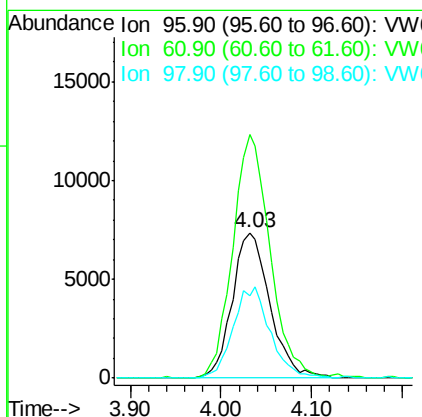
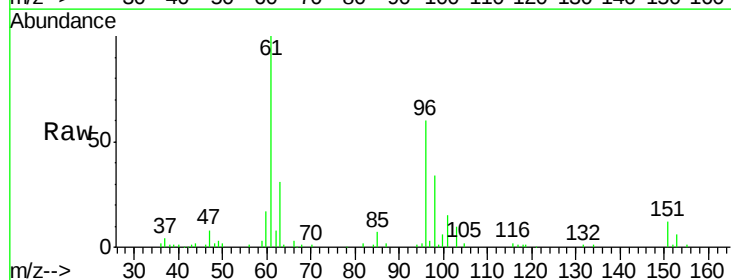
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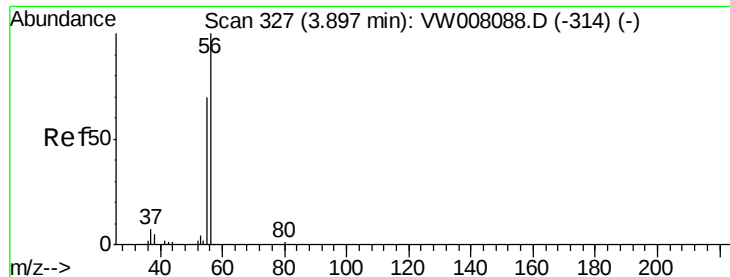
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.894 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion: 96 Resp: 21204
Ion Ratio Lower Upper
96 100
61 167.2 135.4 203.2
98 56.2 52.5 78.7





#13

Acrolein

Concen: 80.989 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBSD01

Tot Ion: 56 Resp: 5686

Ion Ratio Lower Upper

56 100

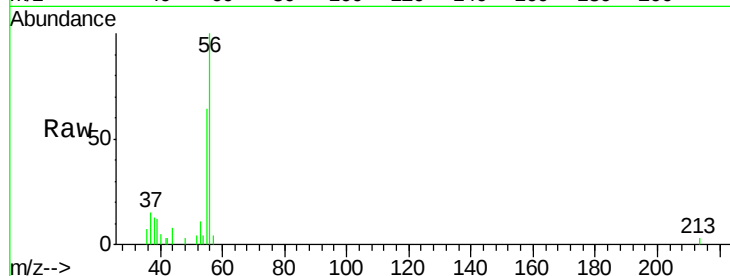
55 69.2 56.6 84.8

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

2500

2000

1500

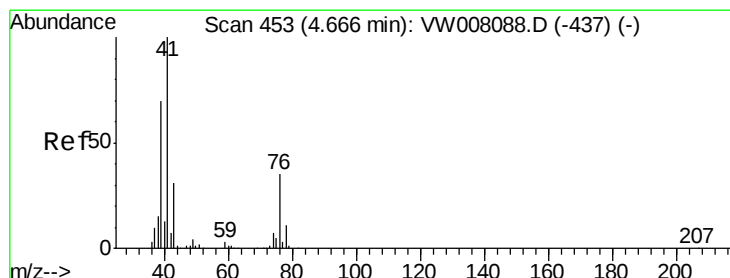
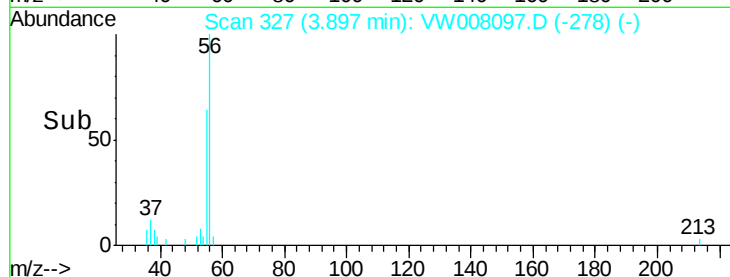
1000

500

0

3.80 3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 21.163 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

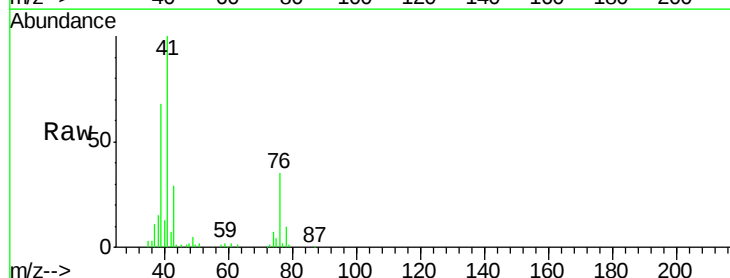
Tgt Ion: 41 Resp: 38995

Ion Ratio Lower Upper

41 100

39 66.5 53.8 80.8

76 33.6 27.6 41.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

15000

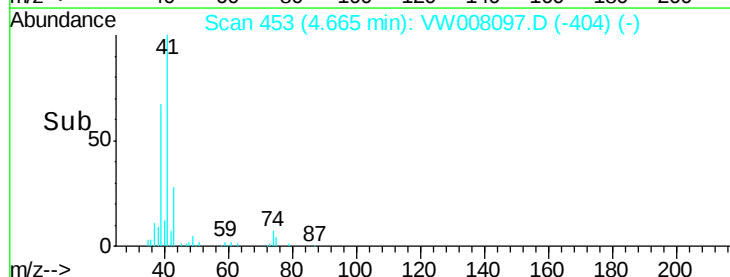
10000

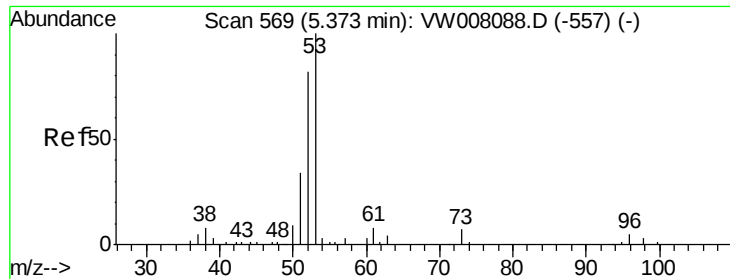
5000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 102.594 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

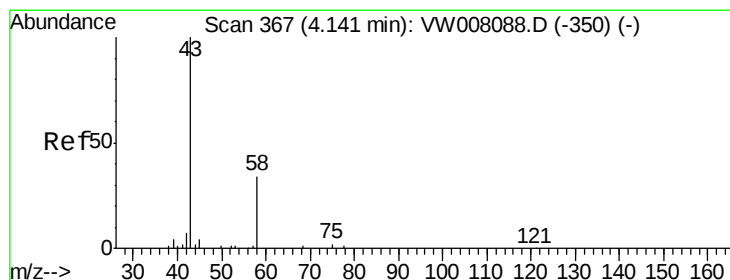
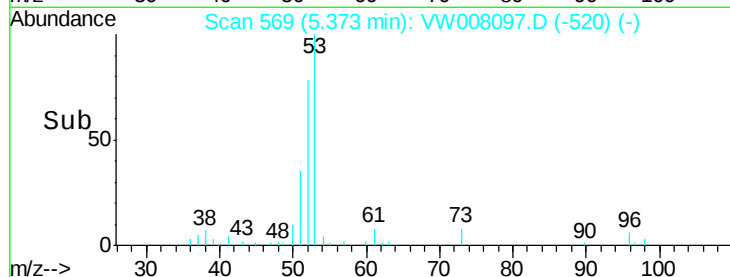
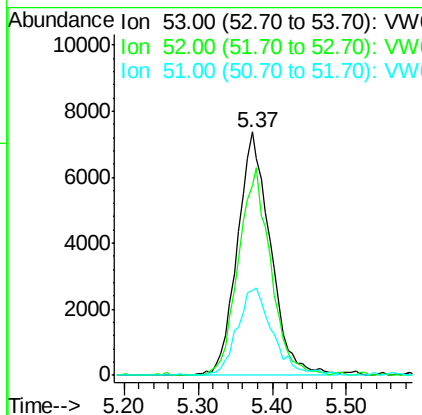
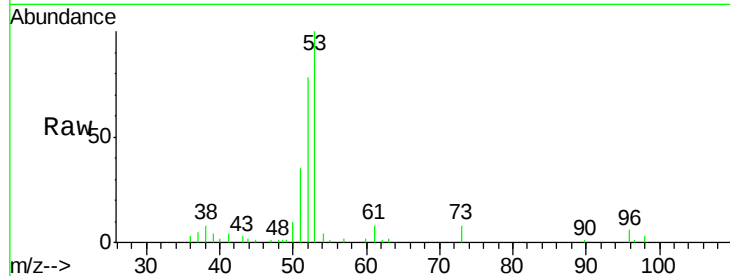
ClientSampleId :

VW0109SBS01

Tot Ion:	53	Resp:	22989
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.8	100.2
51	37.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 109.736 ug/l

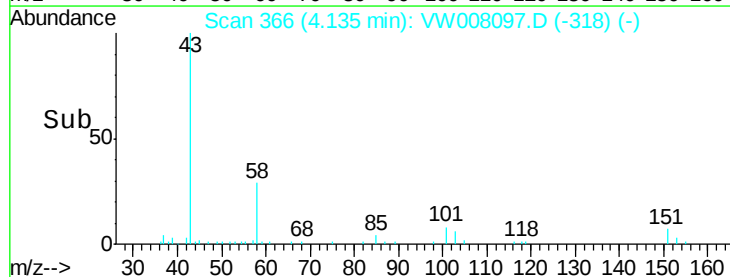
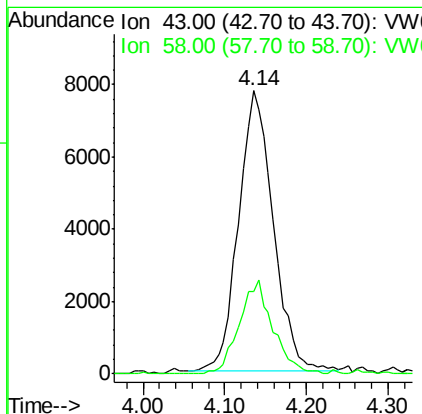
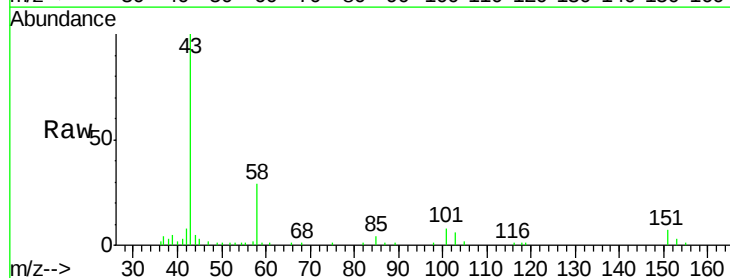
RT: 4.14 min Scan# 366

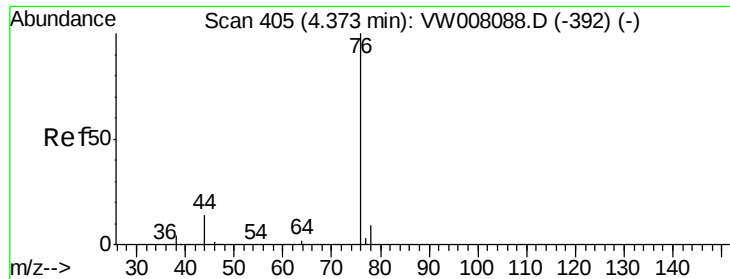
Delta R.T. -0.01 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Tgt Ion:	43	Resp:	22766
Ion	Ratio	Lower	Upper
43	100		
58	29.5	27.5	41.3





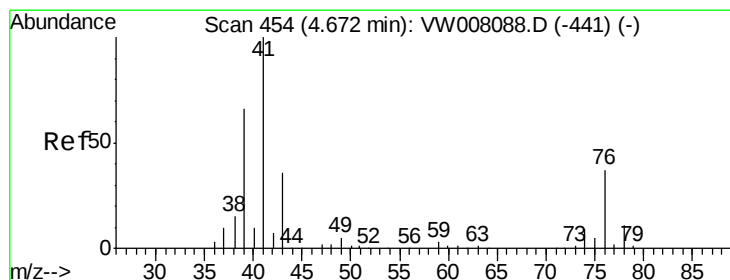
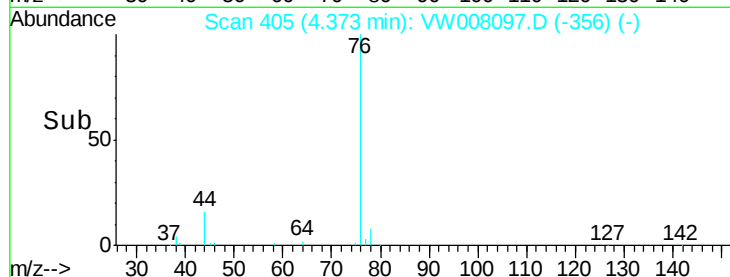
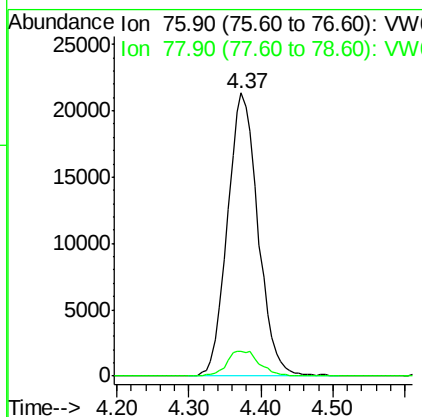
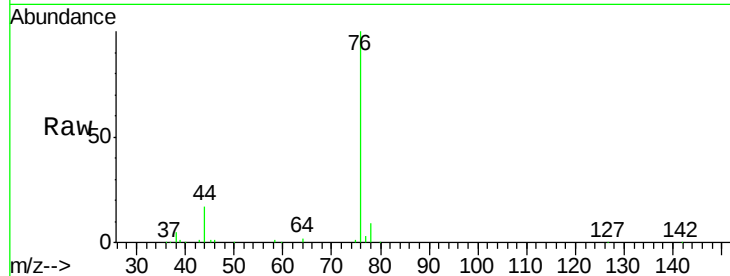
#17
Carbon Disulfide
Concen: 19.886 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBSD01

Tot Ion	76	Resp	63045
Ion Ratio	100	Lower	Upper
76	100		
78	8.8	7.0	10.6

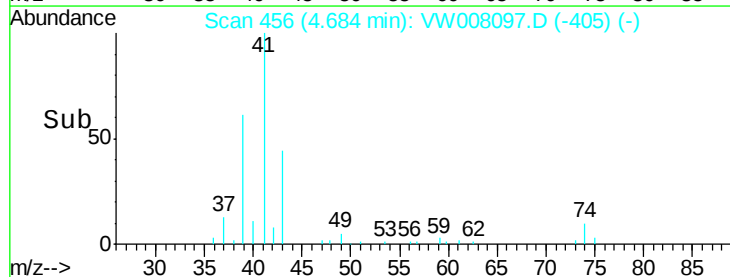
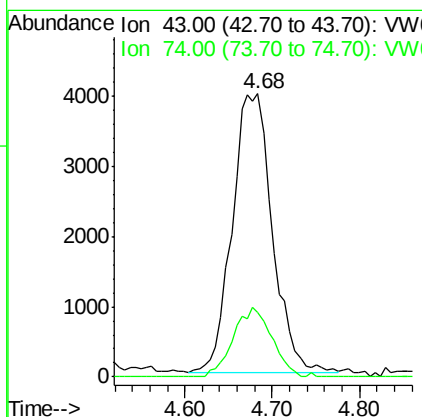
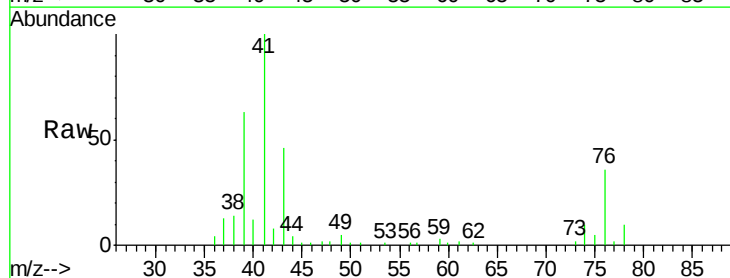
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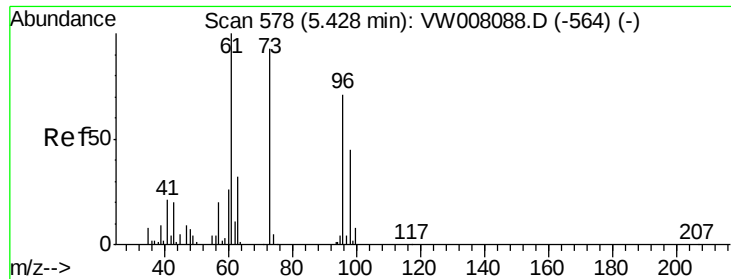
MMDadoda
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#18
Methyl Acetate
Concen: 19.159 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	43	Resp	12612
Ion Ratio	100	Lower	Upper
43	100		
74	23.9	19.0	28.4





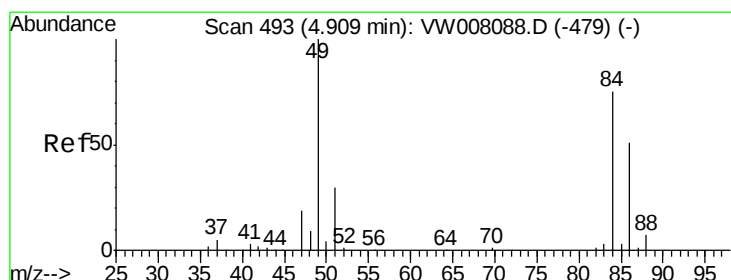
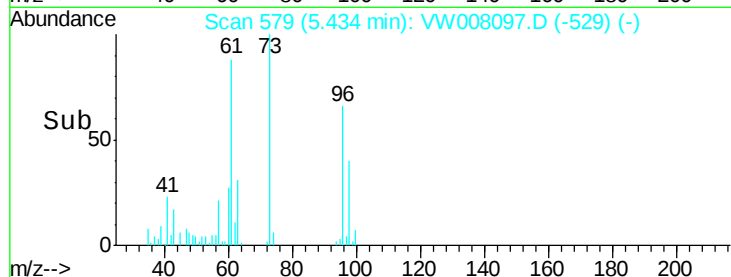
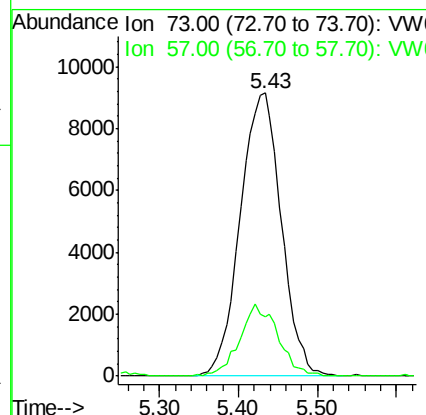
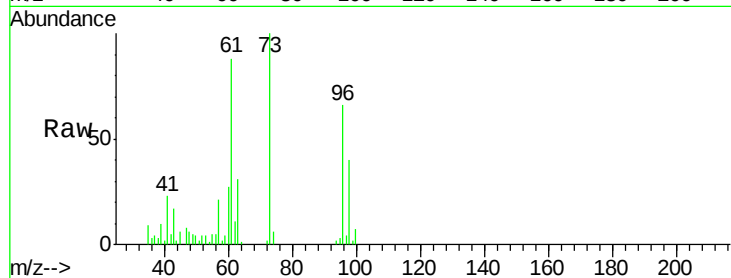
#19
Methvl tert-butvl Ether
Concen: 20.026 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion: 73 Resp: 33040
Ion Ratio Lower Upper
73 100
57 21.1 16.7 25.1

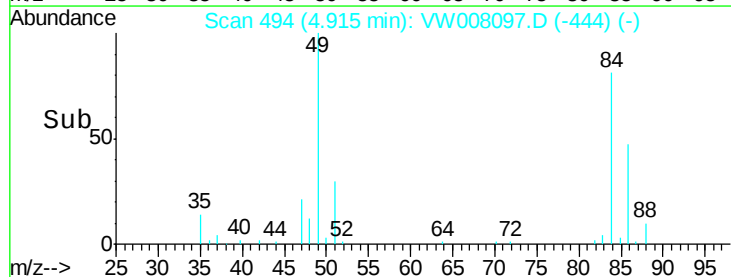
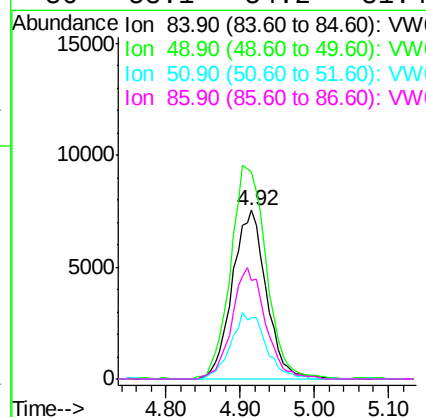
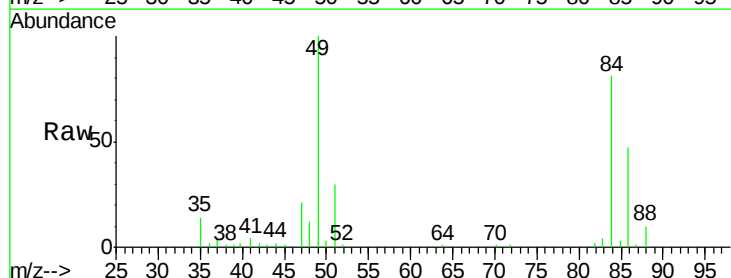
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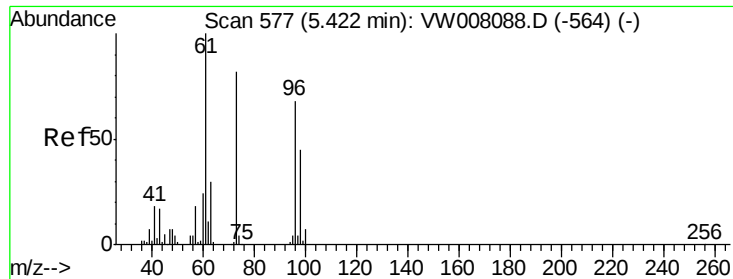
MMDadoda
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#20
Methylene Chloride
Concen: 20.746 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion: 84 Resp: 24159
Ion Ratio Lower Upper
84 100
49 123.3 107.1 160.7
51 36.7 32.4 48.6
86 58.1 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 20.509 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBSD01

Tot Ion: 96 Resp: 22619

Ion Ratio Lower Upper

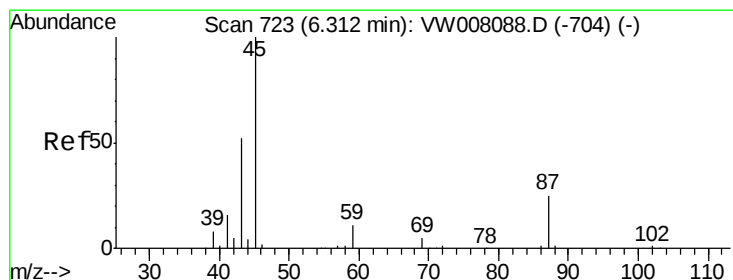
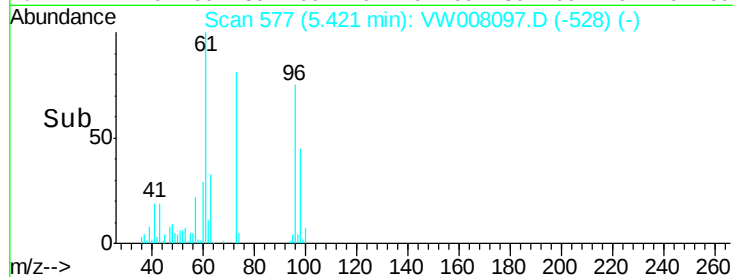
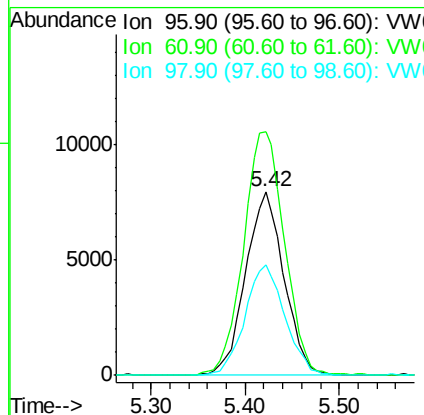
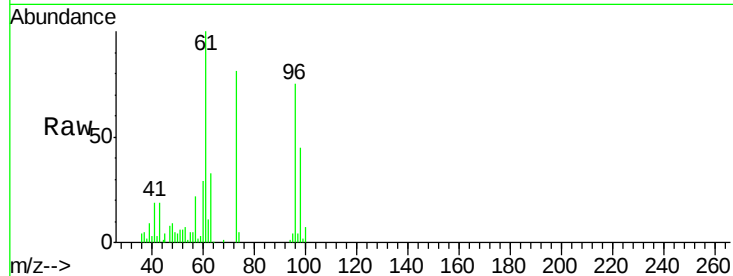
96 100

61 132.6 117.4 176.0

98 60.0 52.2 78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.520 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Tgt Ion: 45 Resp: 72109

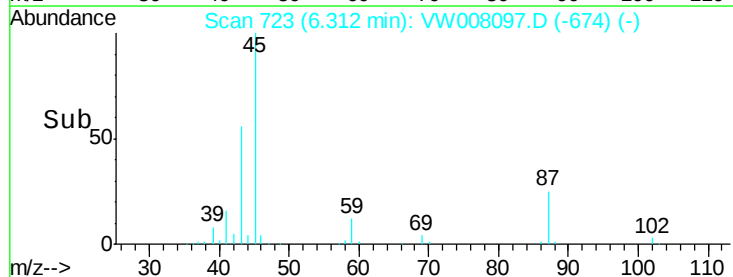
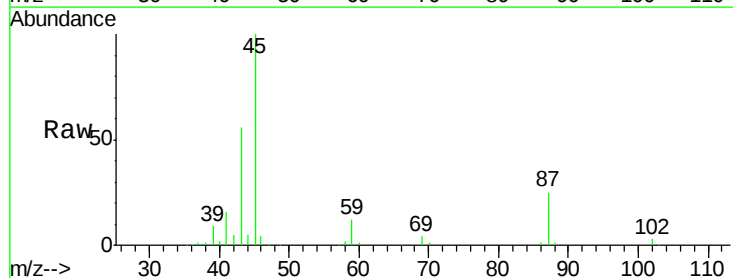
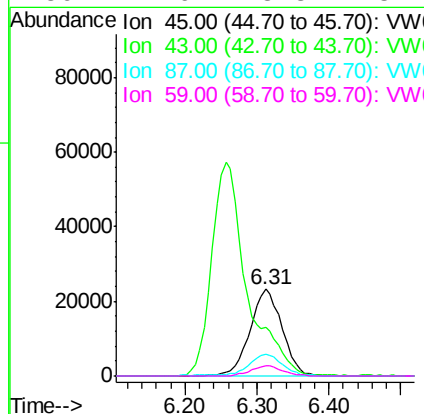
Ion Ratio Lower Upper

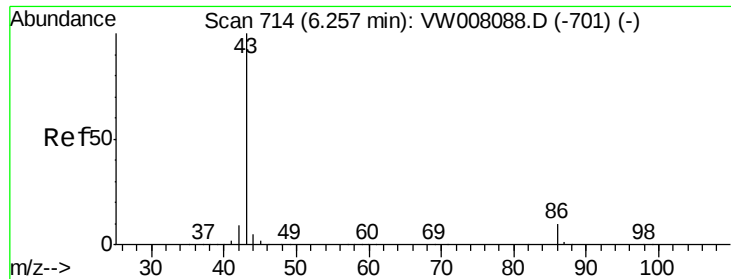
45 100

43 55.2 41.7 62.5

87 24.7 20.1 30.1

59 11.6 8.8 13.2





#23

Vinyl Acetate

Concen: 105.182 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 43 Resp: 194123

Ion Ratio Lower Upper

43 100

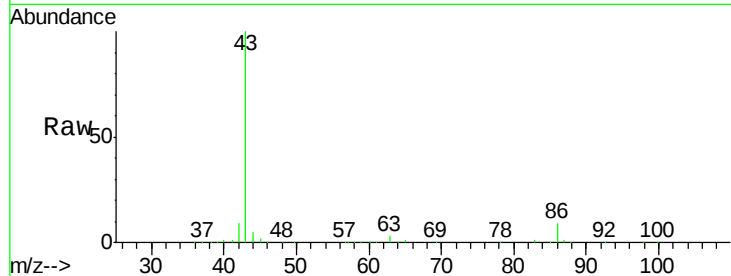
86 9.2 7.7 11.5

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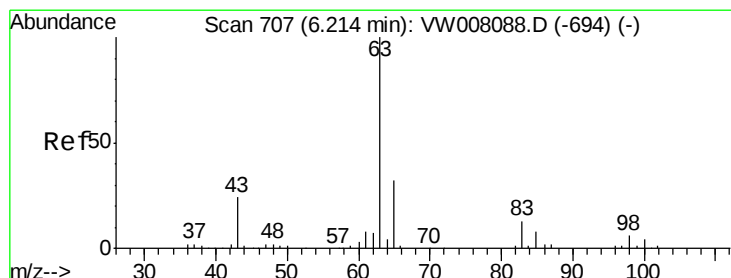
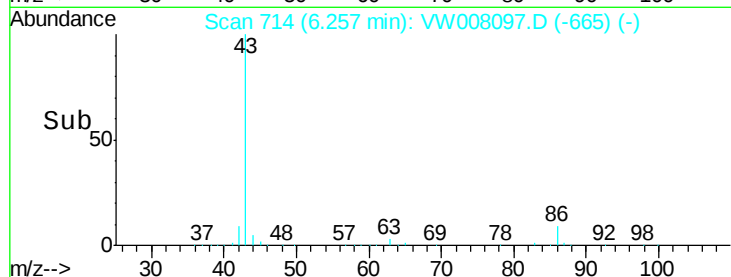
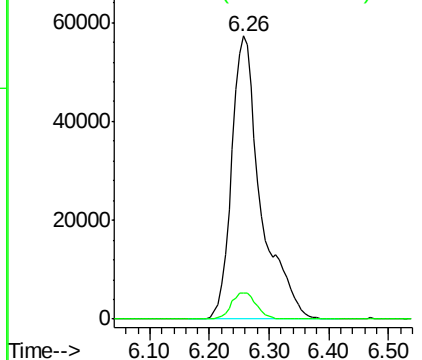
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.064 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

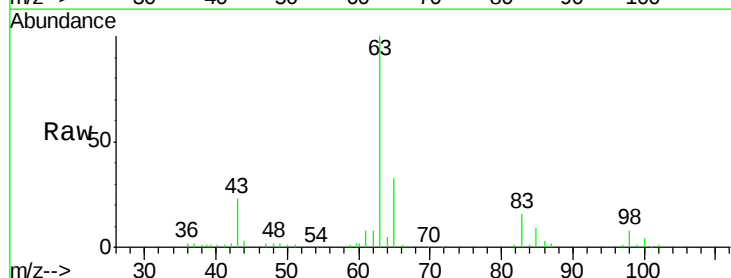
Tgt Ion: 63 Resp: 41082

Ion Ratio Lower Upper

63 100

98 7.6 3.2 9.6

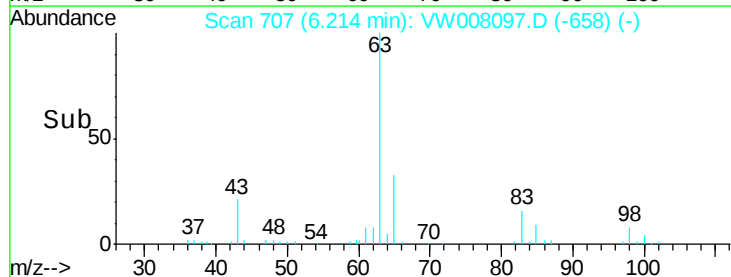
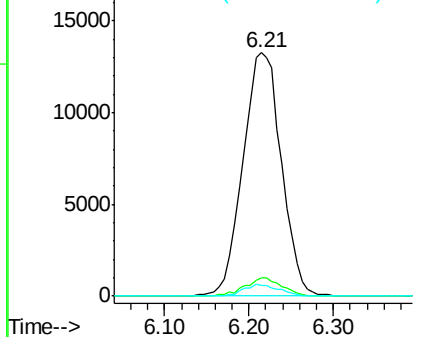
100 4.2 2.0 6.0

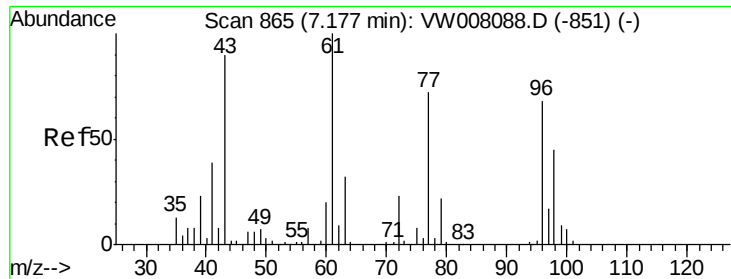


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 108.375 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 43 Resp: 31406

Ion Ratio Lower Upper

43 100

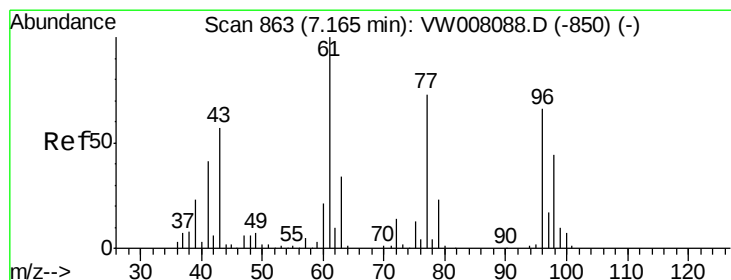
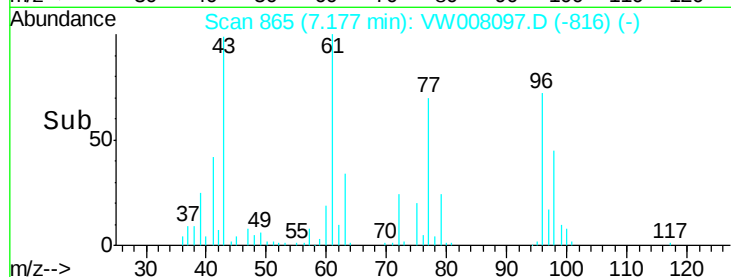
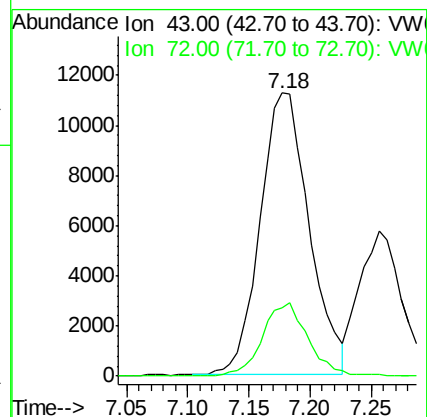
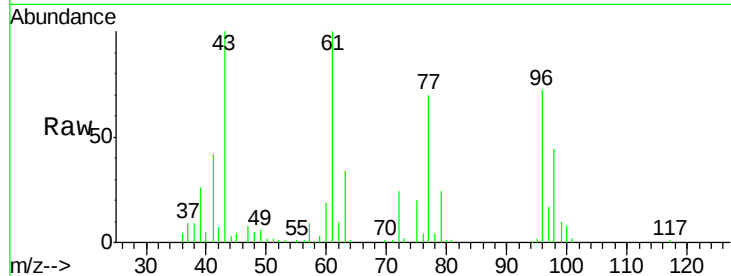
72 24.5 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.351 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008097.D

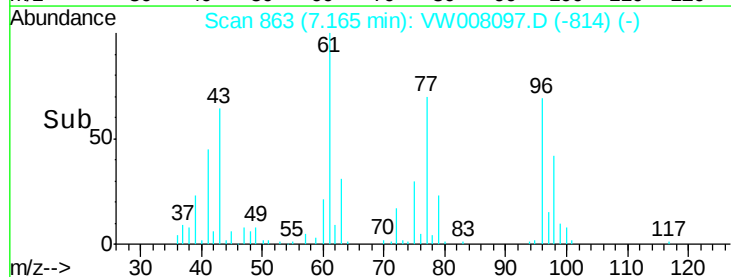
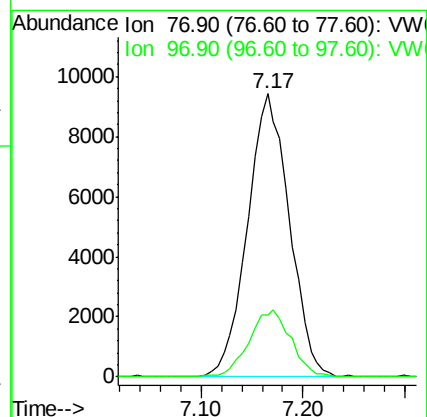
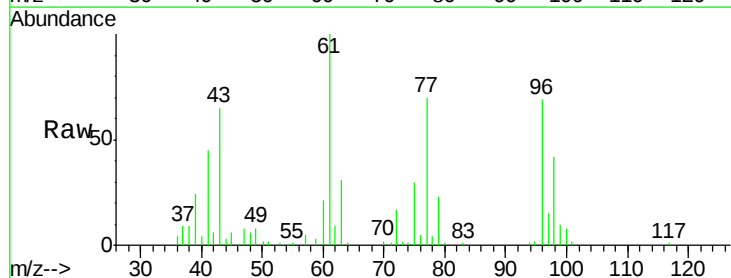
Acq: 09 Jan 2019 12:37

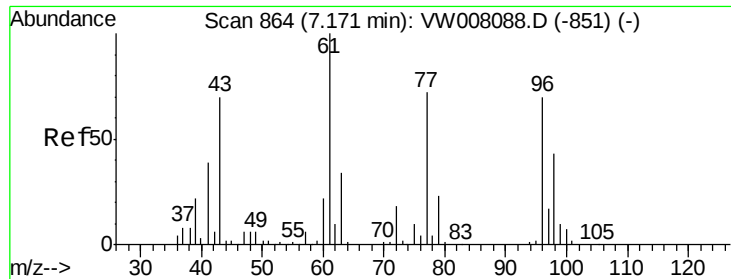
Tgt Ion: 77 Resp: 26847

Ion Ratio Lower Upper

77 100

97 23.7 11.4 34.1





#27

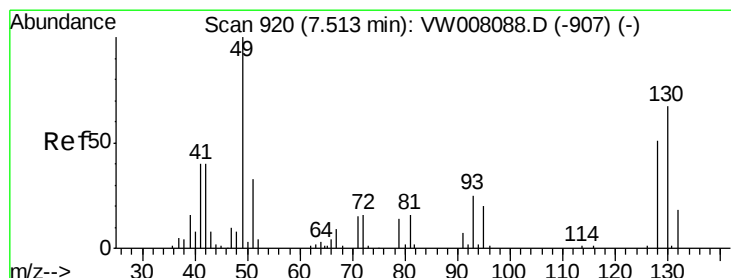
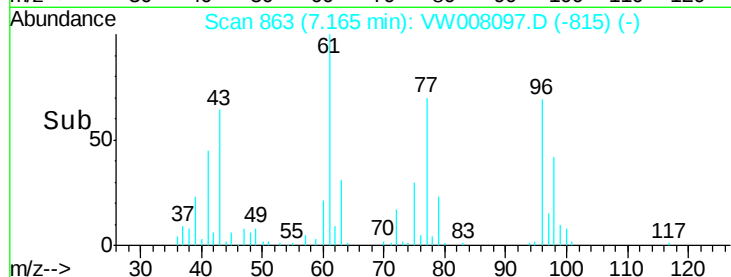
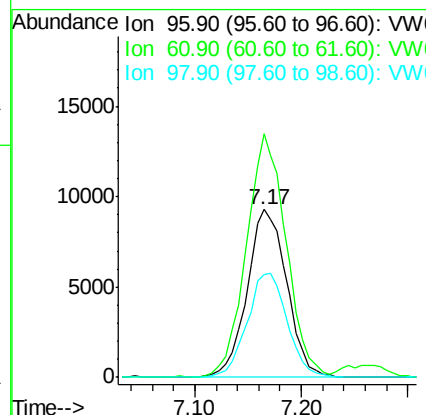
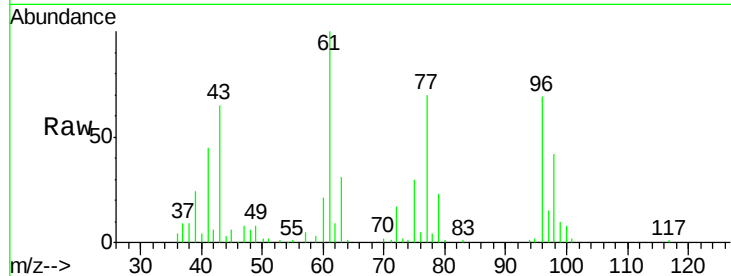
cis-1,2-Dichloroethene
Concen: 20.139 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	300.4
98	62.7	0.0	128.4

Manual Integrations
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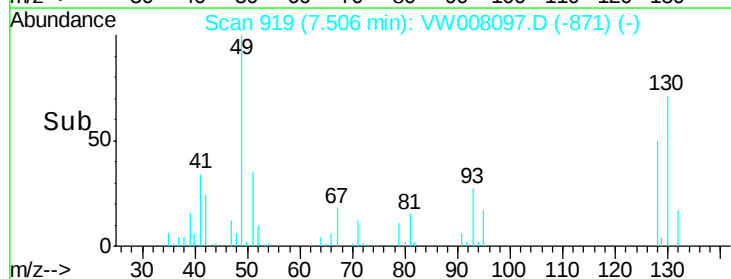
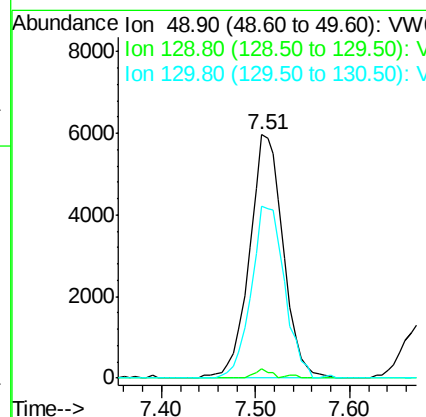
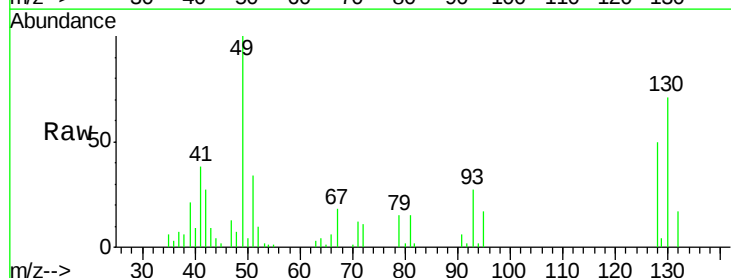
MMDadoda
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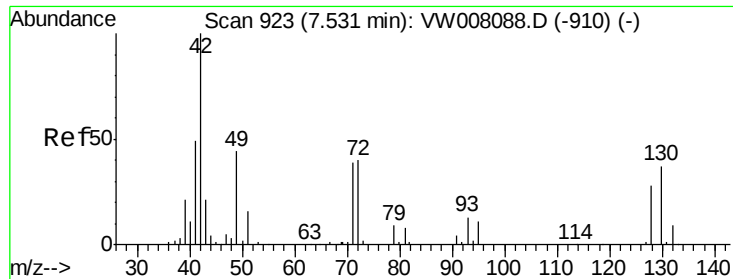


#28

Bromochloromethane
Concen: 18.446 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.8
130	69.9	54.3	81.5





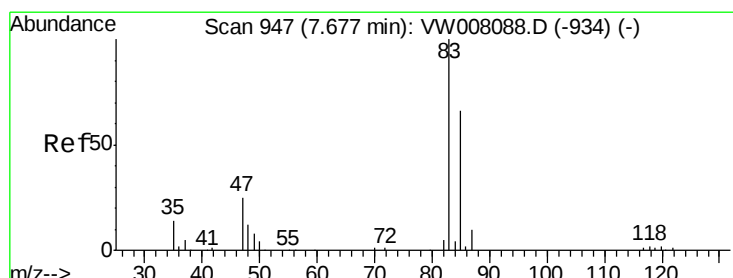
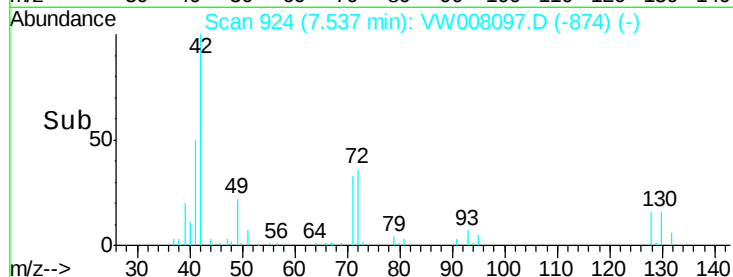
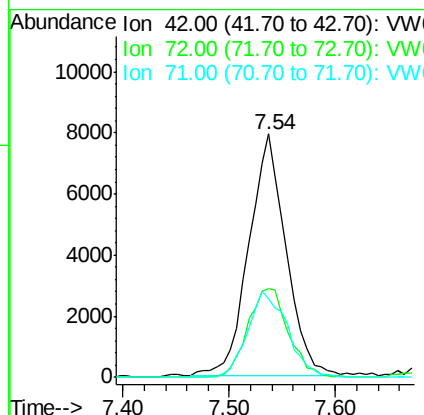
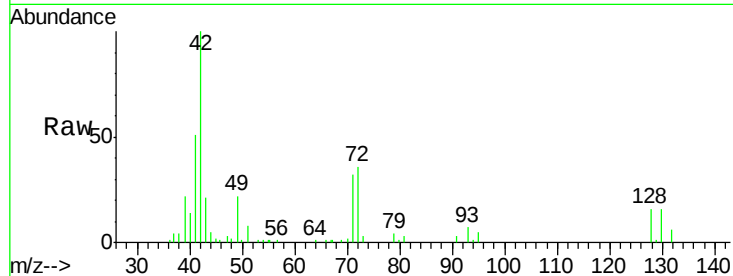
#29
Tetrahydrofuran
Concen: 99.408 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.4	48.6
71	38.3	31.3	46.9

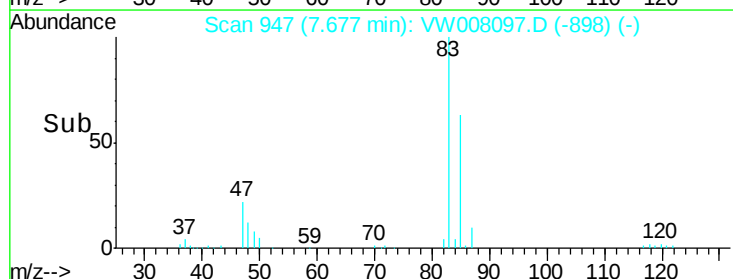
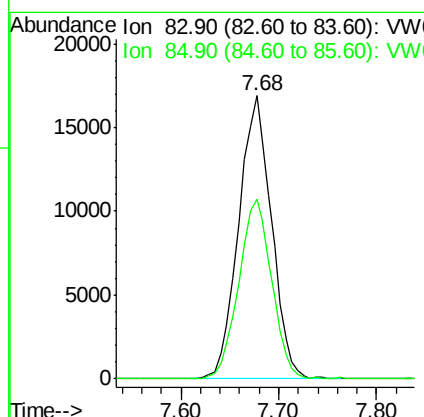
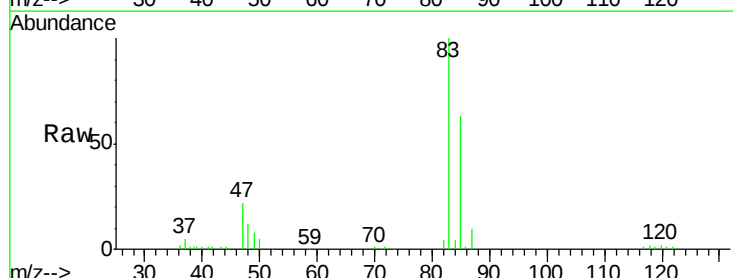
Manual Integrations
APPROVED

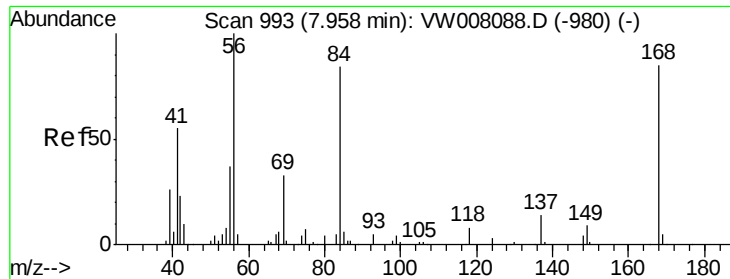
MMDadoda
1/10/2019 4:51:19 PM



#30
Chloroform
Concen: 20.232 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.2	79.8





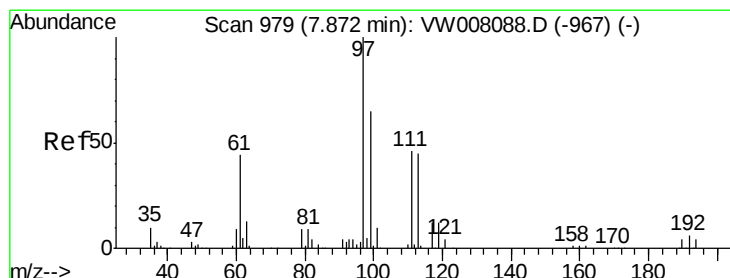
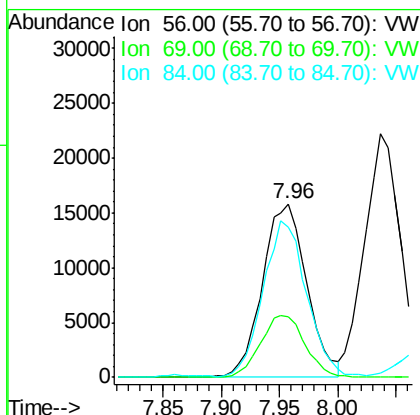
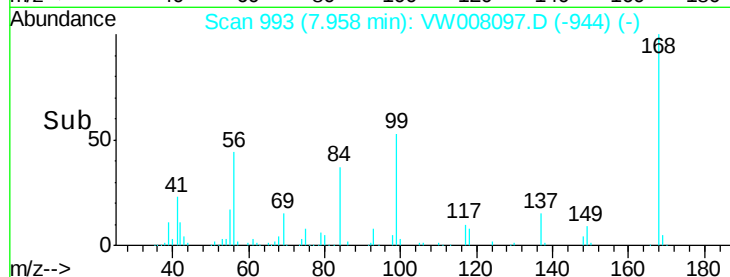
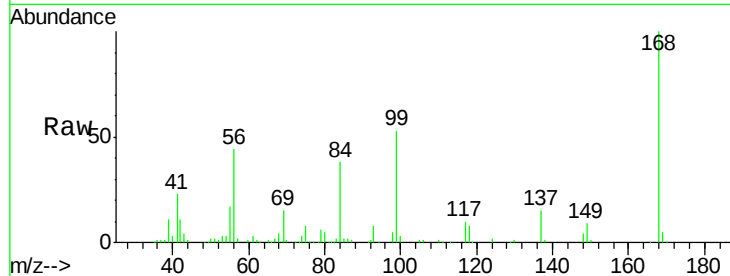
#31
Cyclohexane
Concen: 18.979 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	56	69	84
Resp	41601		
Ion Ratio	100	34.5	85.4
Lower		26.2	67.4
Upper		39.4	101.2

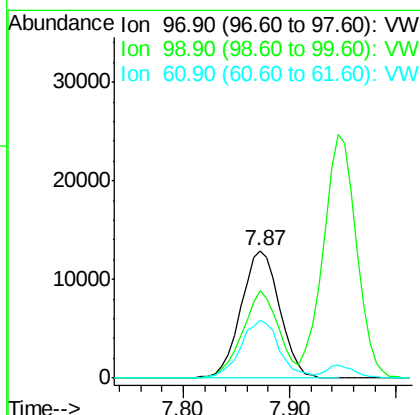
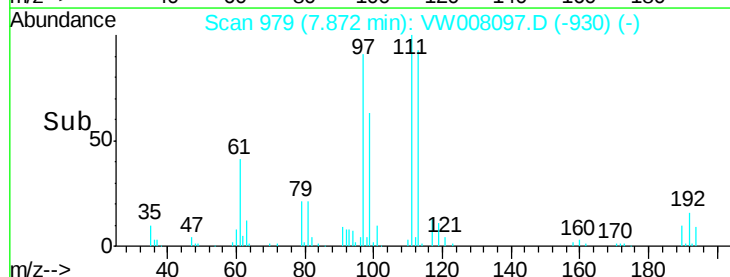
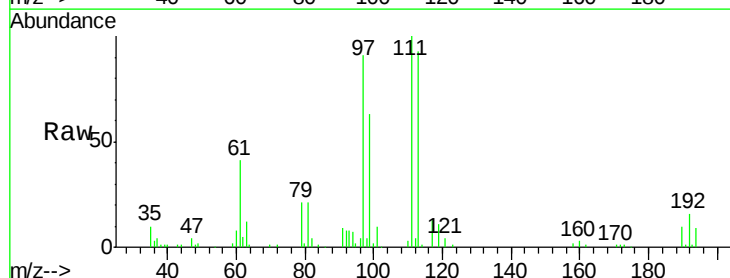
Manual Integrations
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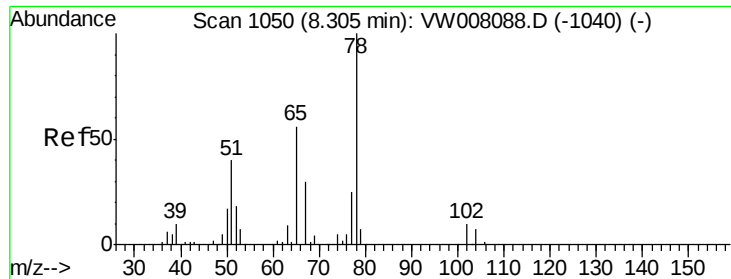
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#32
1,1,1-Trichloroethane
Concen: 19.365 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	97	99	61
Resp	32839		
Ion Ratio	100	65.0	45.3
Lower		51.4	35.6
Upper		77.0	53.4





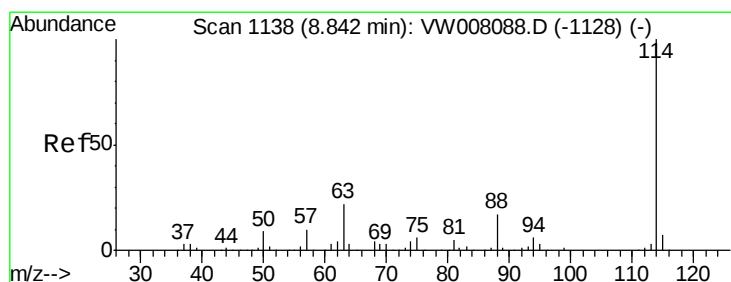
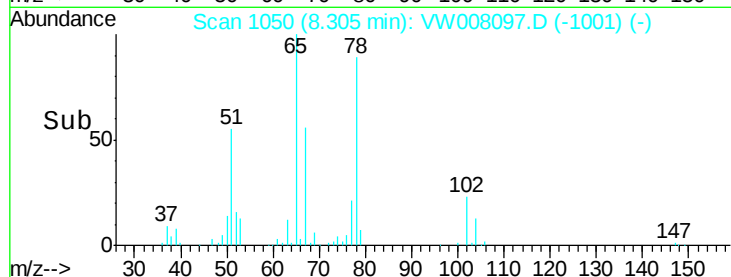
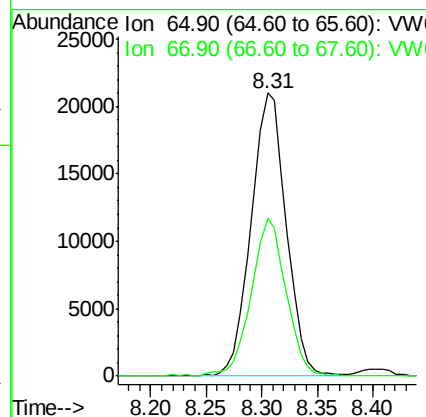
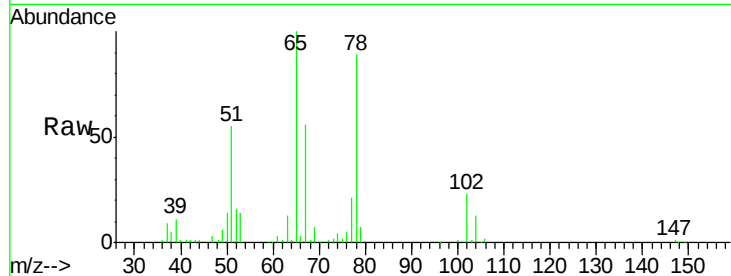
#33
 1,2-Dichloroethane-d4
 Concen: 44.329 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	46171		
67	55.1	0.0	106.8	

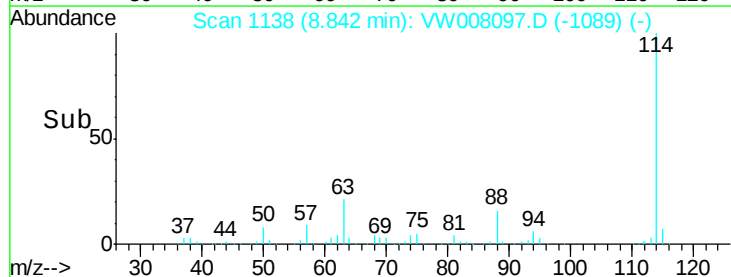
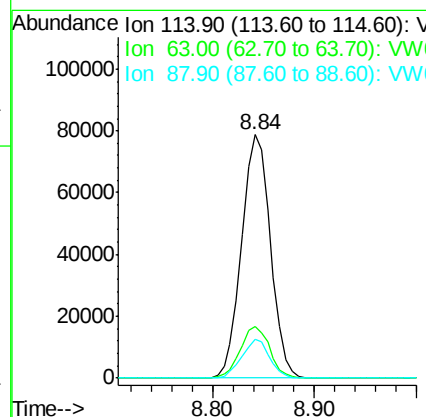
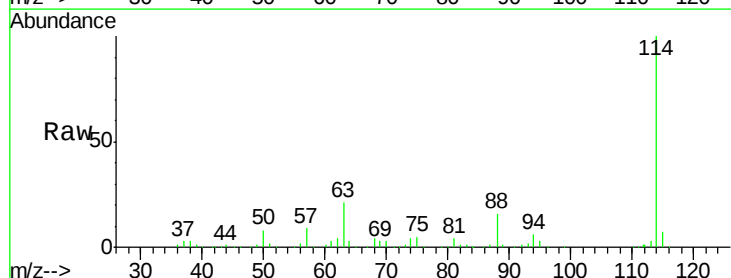
Manual Integrations
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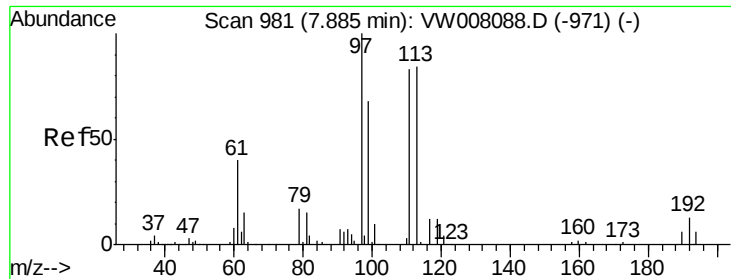
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	154293		
63	21.2	0.0	43.4	
88	15.9	0.0	33.4	





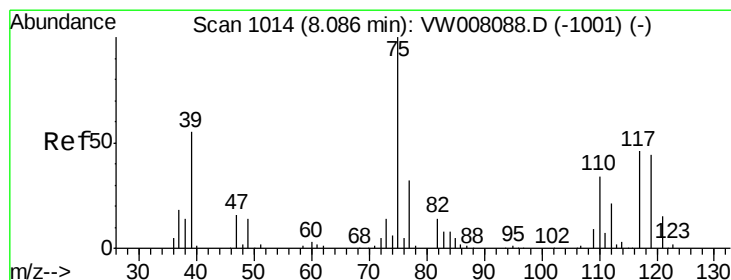
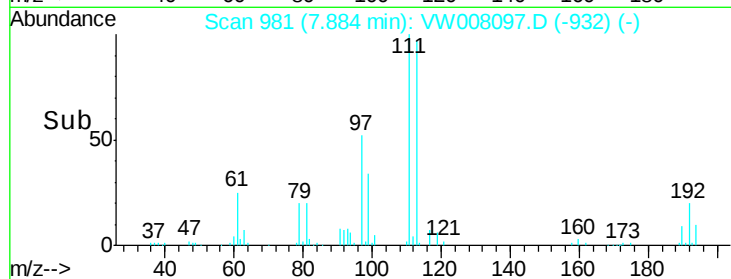
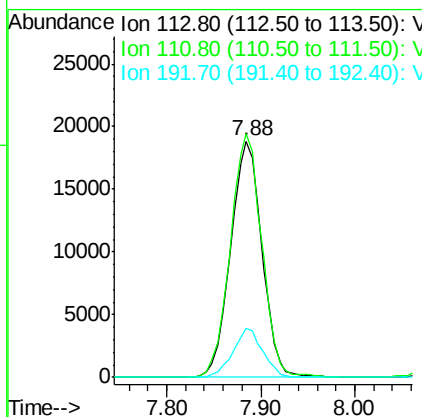
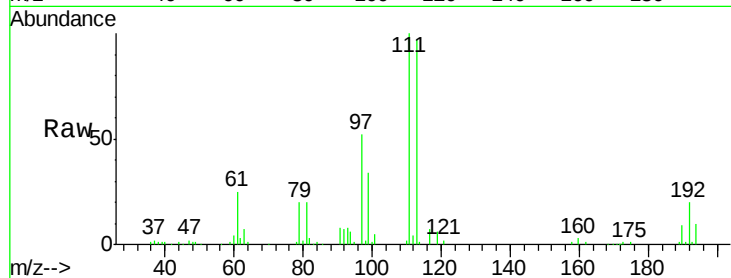
#35
 Dibromofluoromethane
 Concen: 48.371 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	19.3	12.8	19.2#

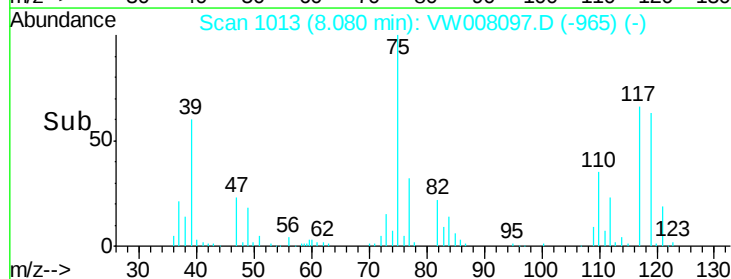
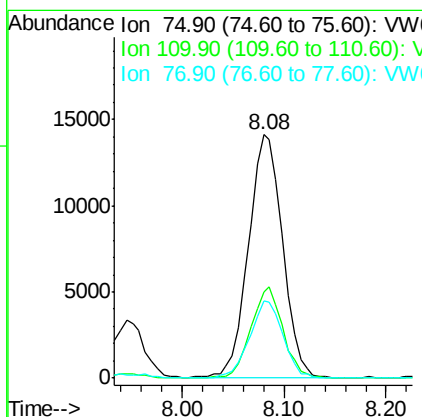
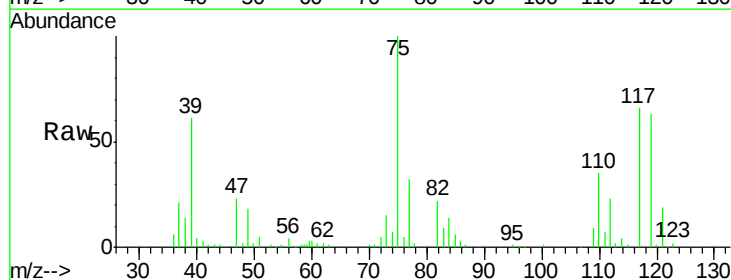
Manual Integrations
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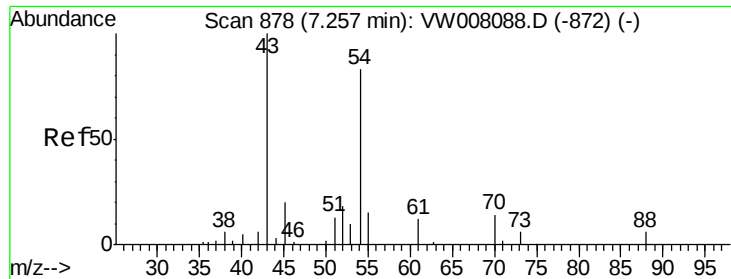
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#36
 1,1-Dichloropropene
 Concen: 20.823 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.1	51.3
77	30.8	25.5	38.3





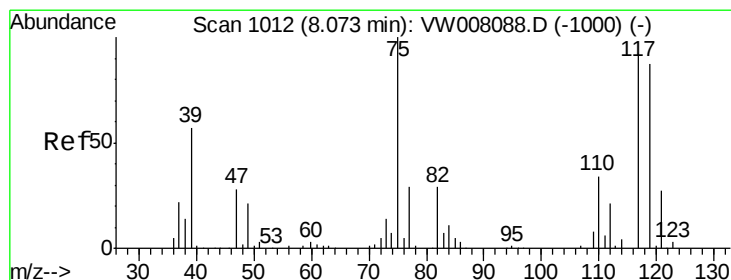
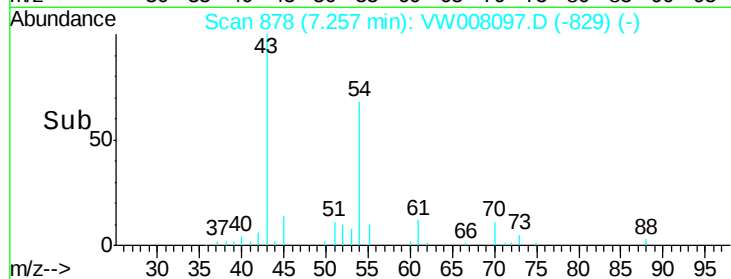
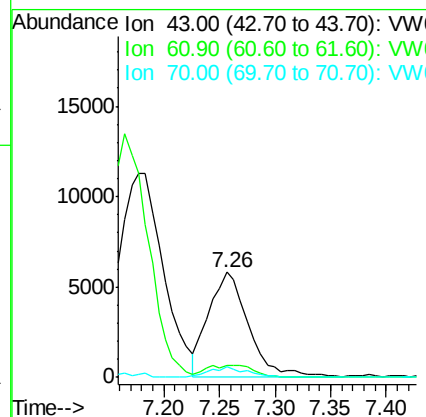
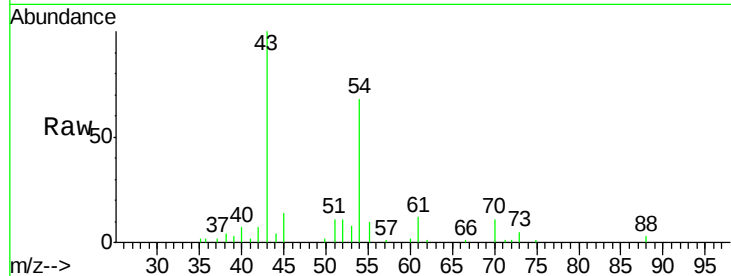
#37
Ethyl Acetate
Concen: 22.378 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion: 43 Resp: 14249
Ion Ratio Lower Upper
43 100
61 13.6 10.6 16.0
70 9.6 8.9 13.3

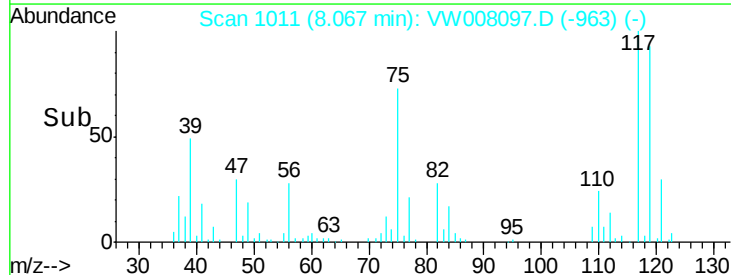
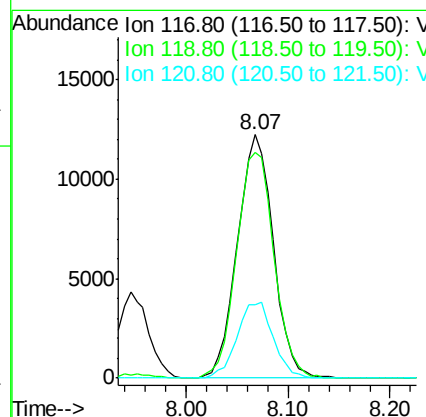
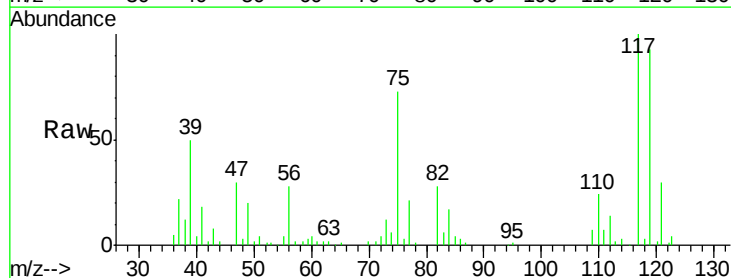
Manual Integrations
APPROVED

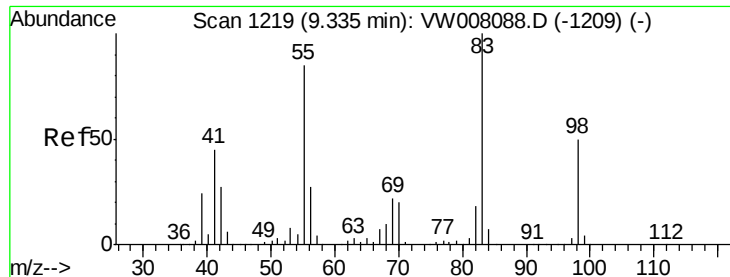
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.519 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion: 117 Resp: 29850
Ion Ratio Lower Upper
117 100
119 92.8 75.8 113.8
121 30.2 23.7 35.5





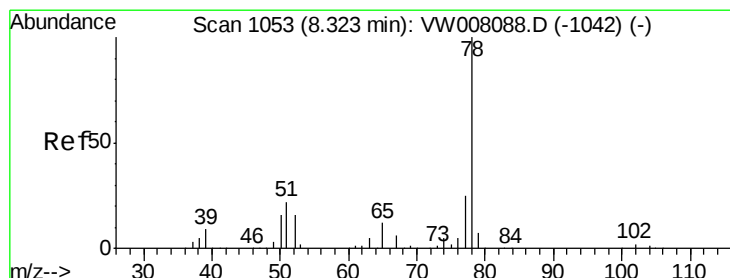
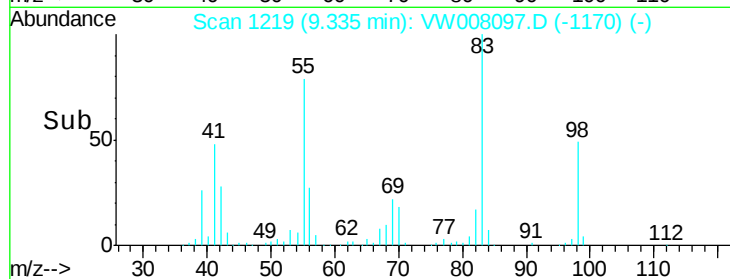
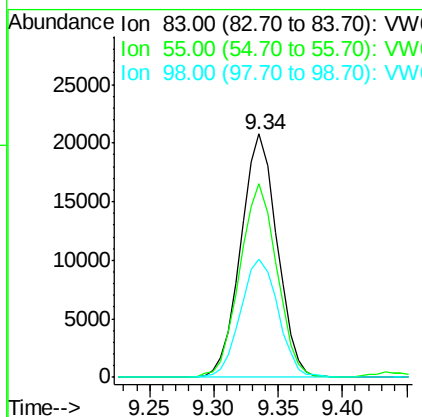
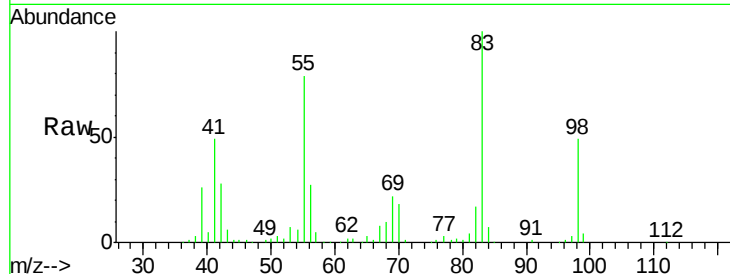
#39
Methvlcvclohexane
Concen: 20.170 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	83.00	Resp	40648
Ion	Ratio	Lower	Upper
83	100		
55	79.5	67.8	101.6
98	48.7	40.2	60.4

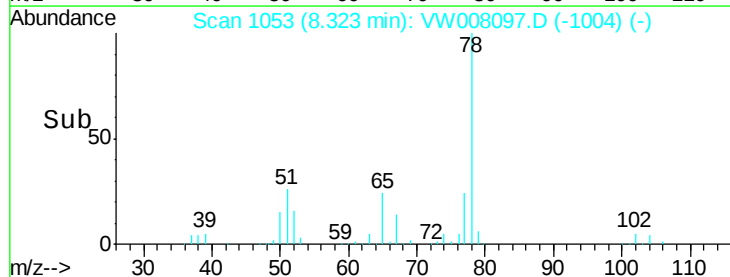
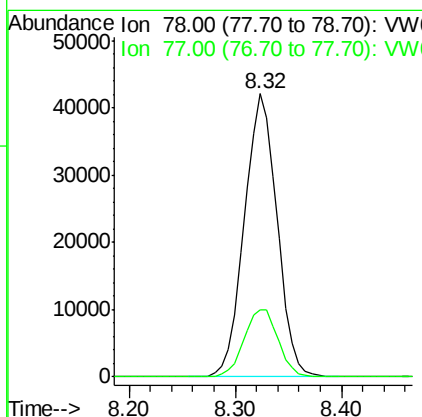
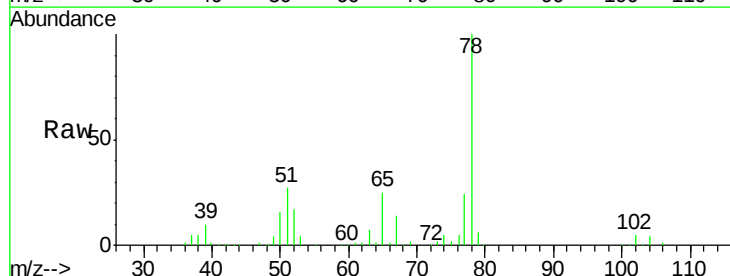
Manual Integrations
APPROVED

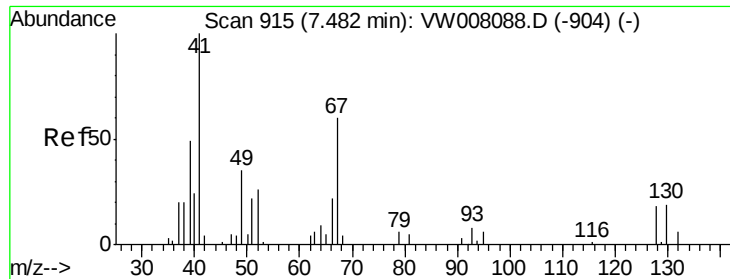
MMDadoda
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#40
Benzene
Concen: 21.089 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	78.00	Resp	90913
Ion	Ratio	Lower	Upper
78	100		
77	23.6	20.2	30.4





#41

Methacrylonitrile

Concen: 20.180 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

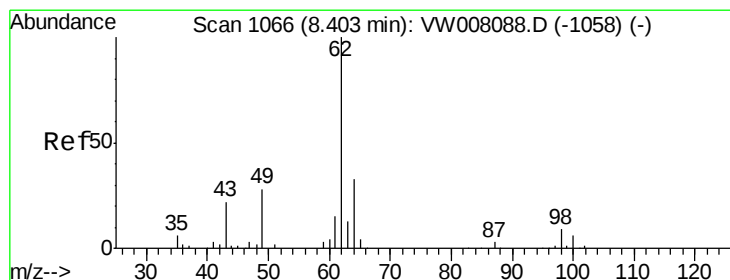
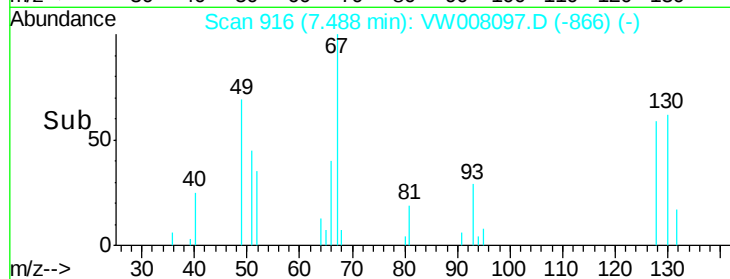
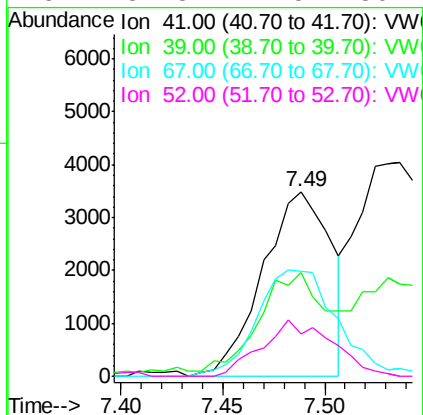
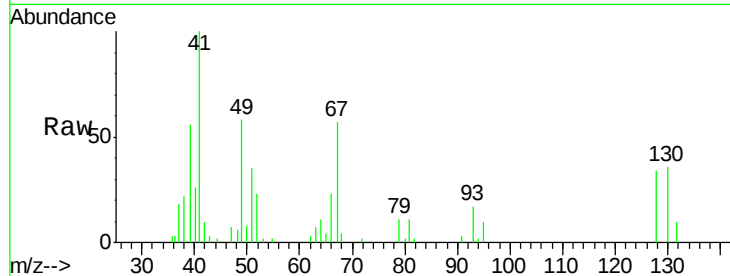
ClientSampleId :

VW0109SBS01

Tot Ion	Ion	Ratio	Lower	Upper
8117	41	100		
	39	60.4	47.9	71.9
	67	67.5	56.3	84.5
	52	31.3	24.5	36.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.302 ug/l

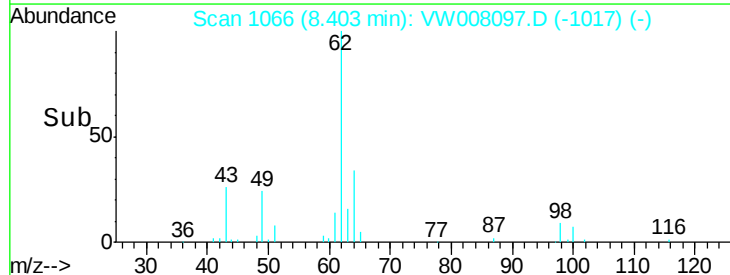
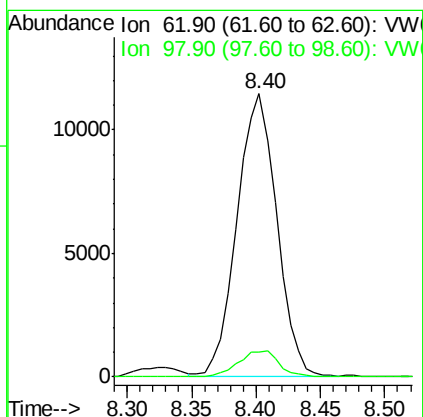
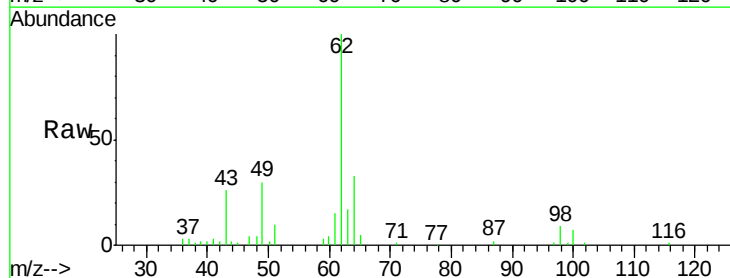
RT: 8.40 min Scan# 1066

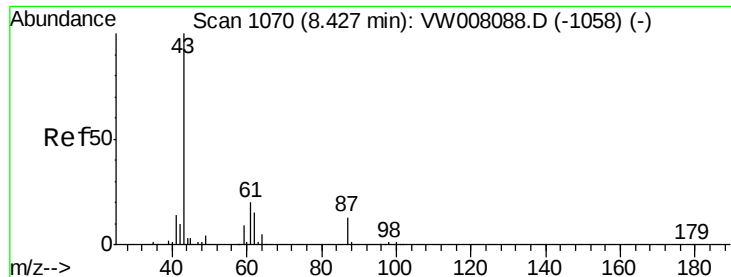
Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Tgt Ion	Ion	Ratio	Lower	Upper
24615	62	100		
	98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.597 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

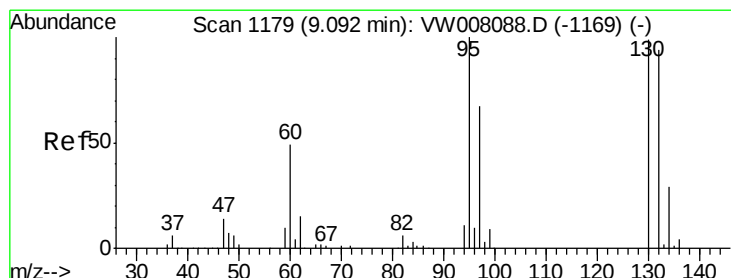
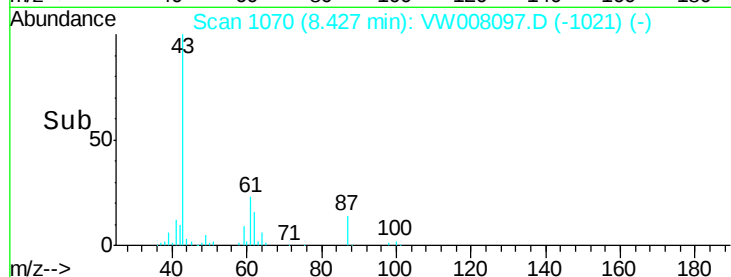
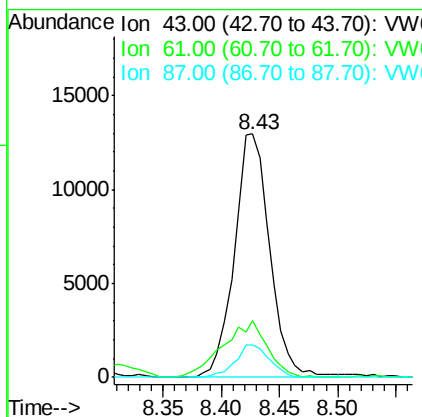
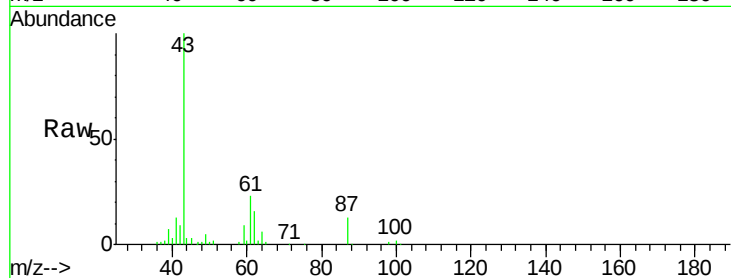
ClientSampleId :

VW0109SBS01

Tot Ion:	43	Resp:	27496
Ion	Ratio	Lower	Upper
43	100		
61	29.2	24.8	37.2
87	12.9	10.4	15.6

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#44

Trichloroethene

Concen: 20.994 ug/l

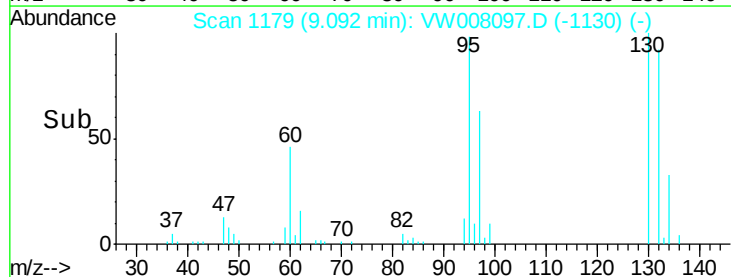
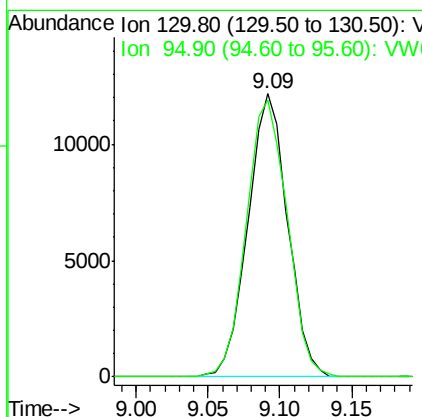
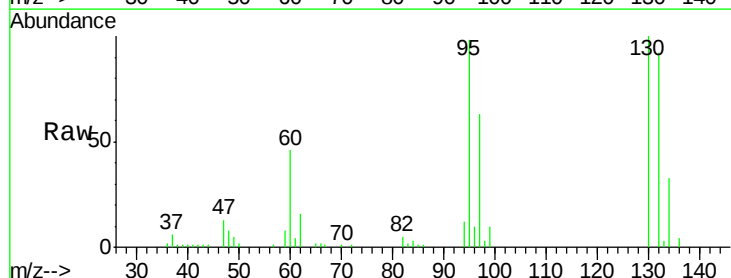
RT: 9.09 min Scan# 1179

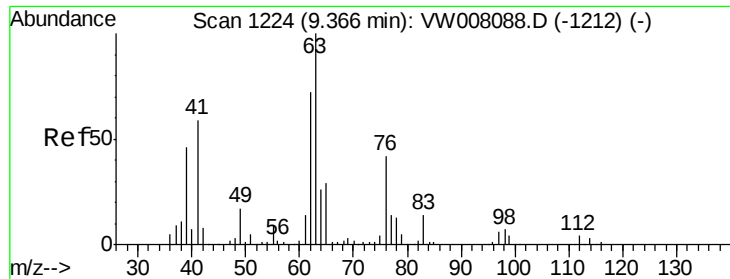
Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Tgt Ion:	130	Resp:	23167
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	202.8





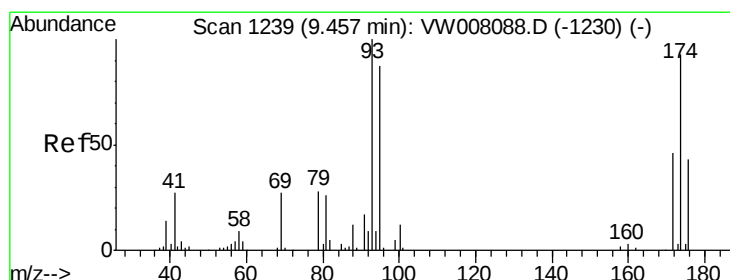
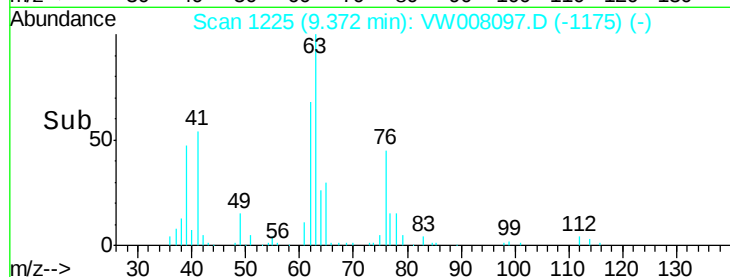
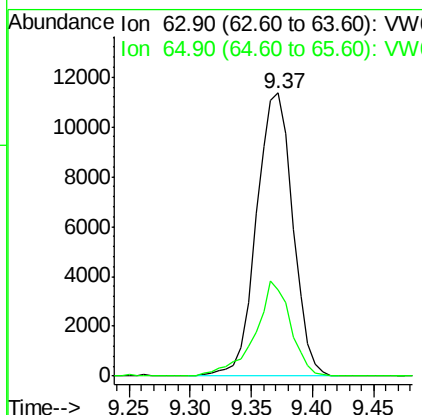
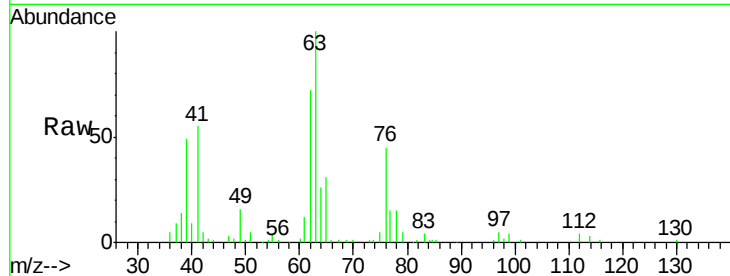
#45
 1,2-Dichloropropane
 Concen: 21.999 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion: 63 Resp: 23515
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.3 34.9

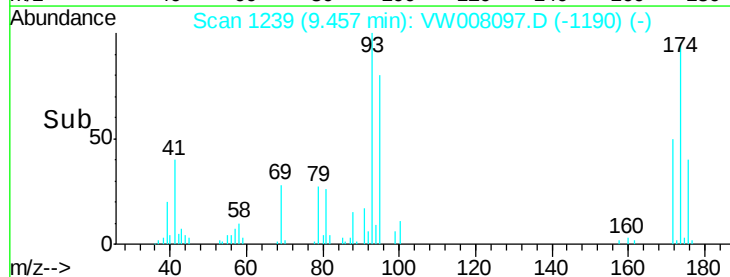
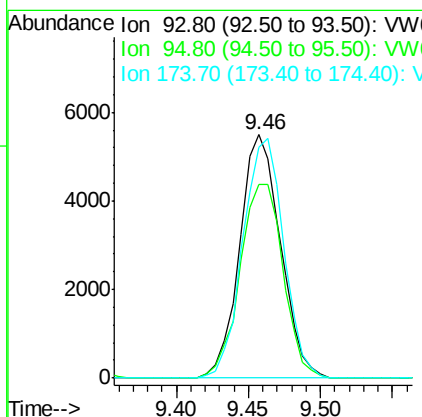
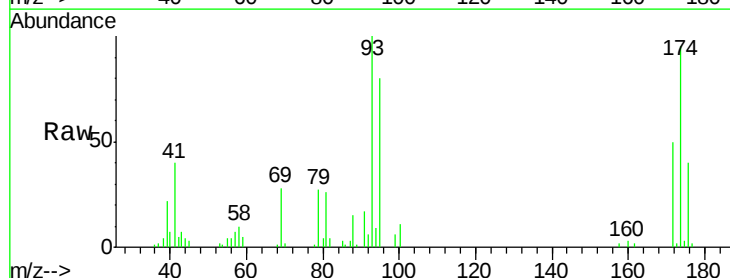
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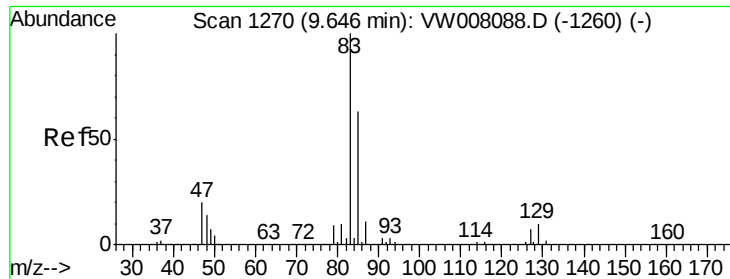
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#46
 Dibromomethane
 Concen: 20.547 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion: 93 Resp: 10786
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.5 101.3
 174 98.4 72.5 108.7





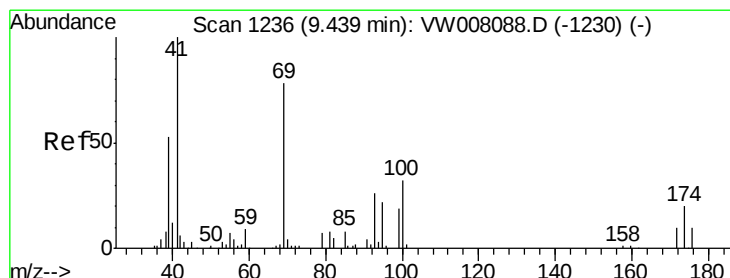
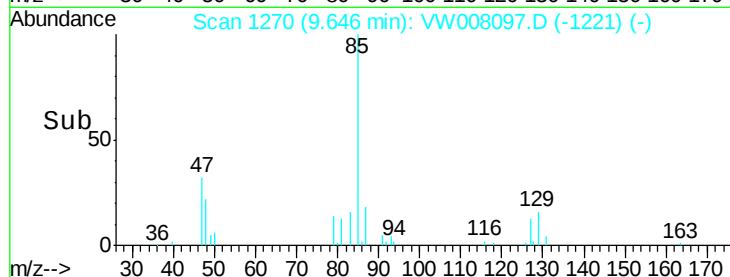
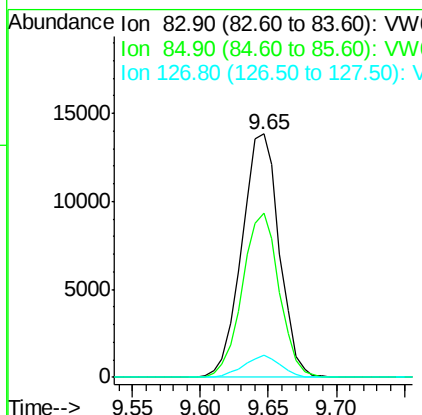
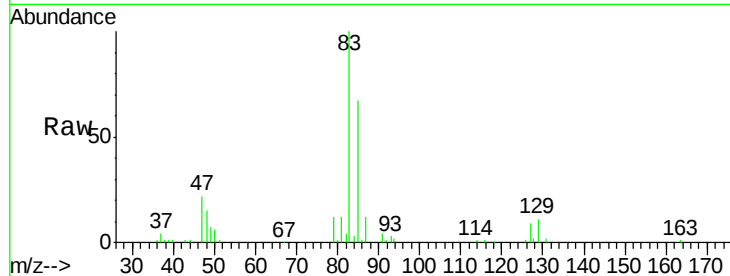
#47
Bromodichloromethane
Concen: 20.021 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBSD01

Tot Ion	83	Resp	26686
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	50.7	76.1
127	8.9	6.0	9.0

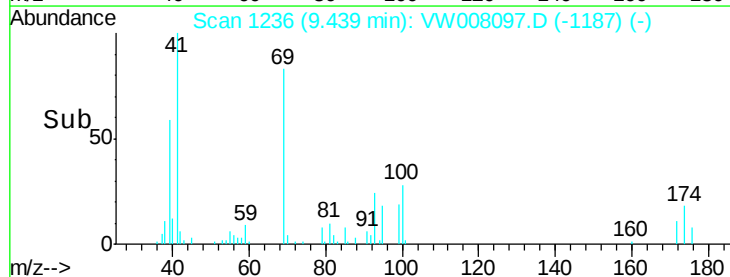
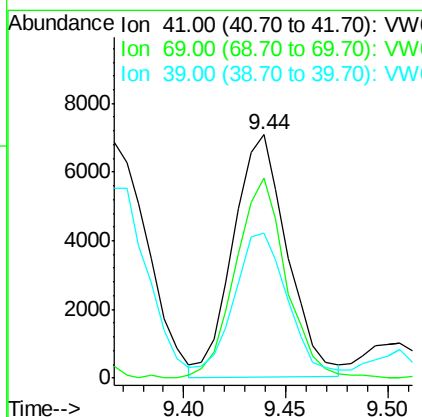
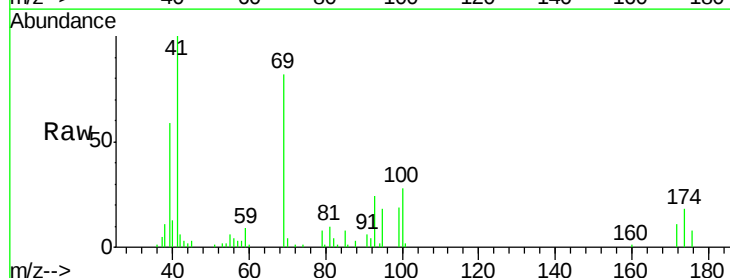
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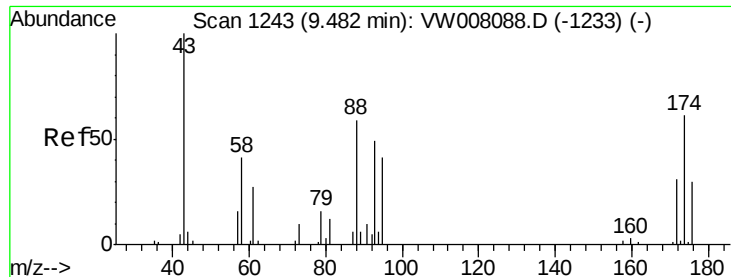
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#48
Methyl methacrylate
Concen: 21.574 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	41	Resp	12960
Ion Ratio	100	Lower	Upper
41	100		
69	77.7	61.9	92.9
39	53.3	43.0	64.4





#49

1,4-Dioxane

Concen: 393.033 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.02 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

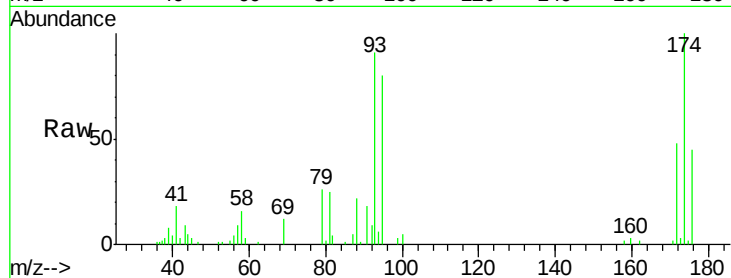
ClientSampleId :

VW0109SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.7	61.7	92.5

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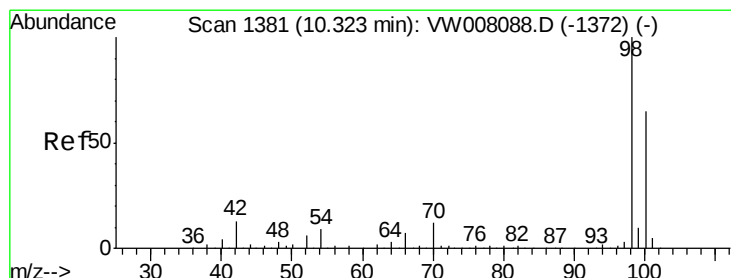
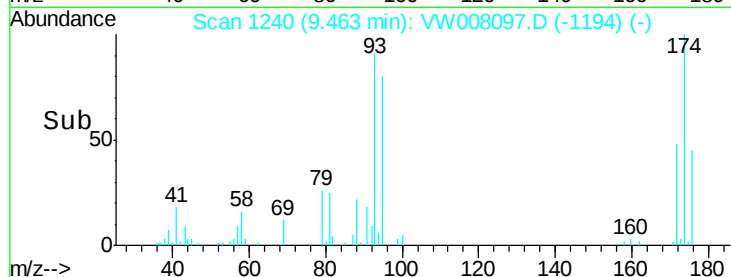
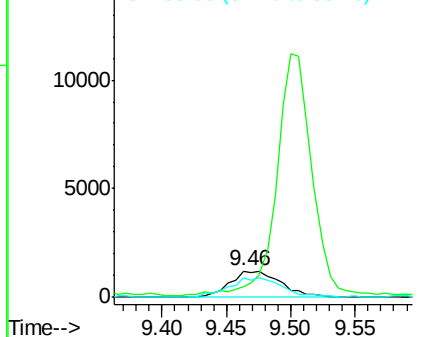


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.924 ug/l

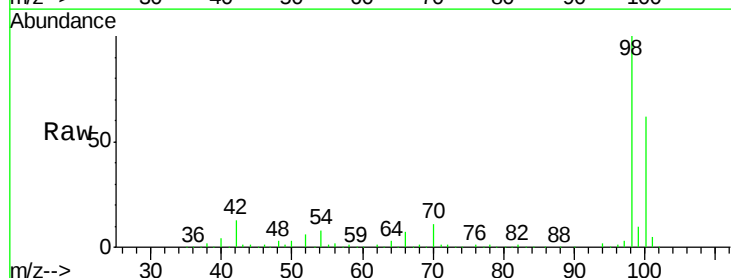
RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

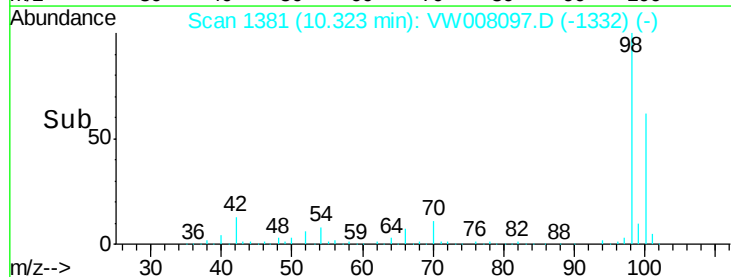
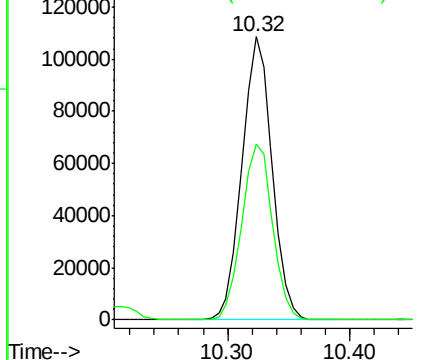
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5

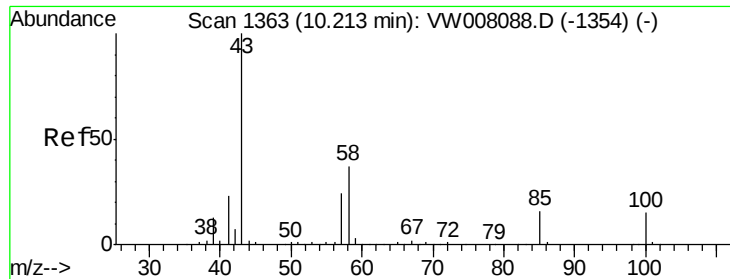


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 105.312 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 43 Resp: 64899

Ion Ratio Lower Upper

43 100

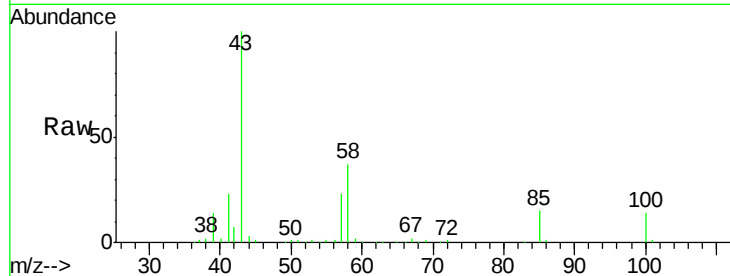
58 37.4 30.6 46.0

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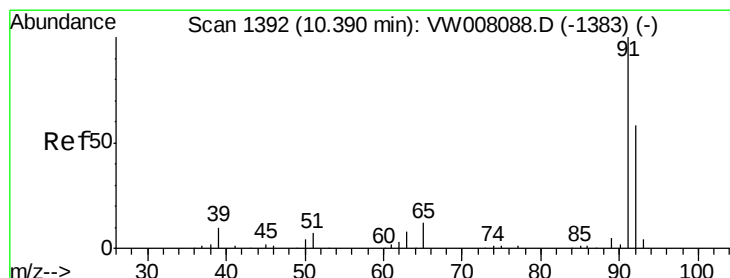
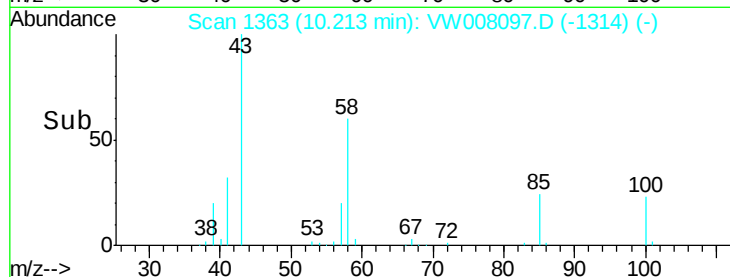
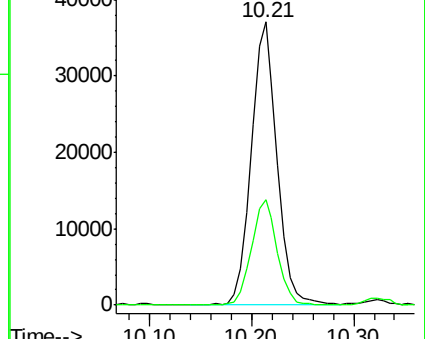
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.758 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008097.D

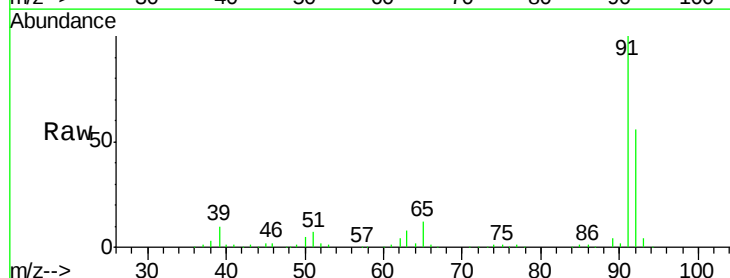
Acq: 09 Jan 2019 12:37

Tgt Ion: 92 Resp: 57147

Ion Ratio Lower Upper

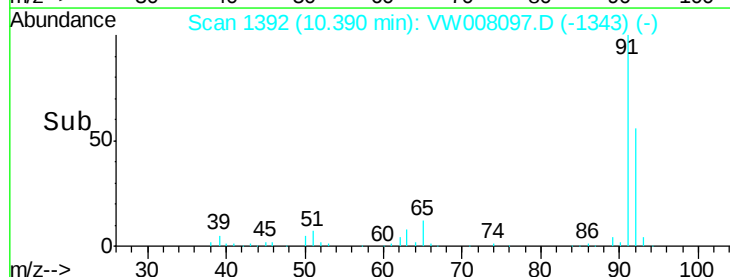
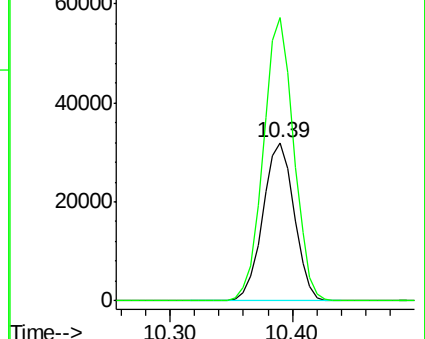
92 100

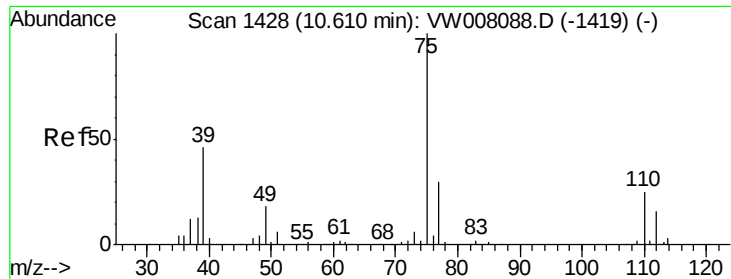
91 172.6 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





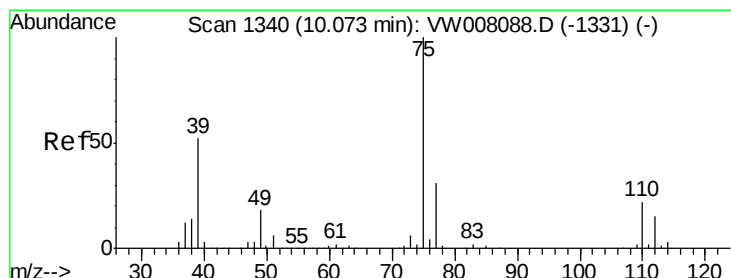
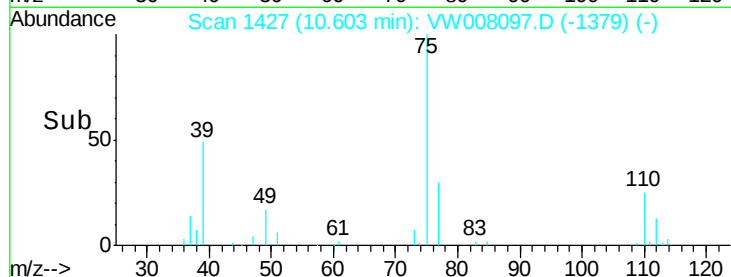
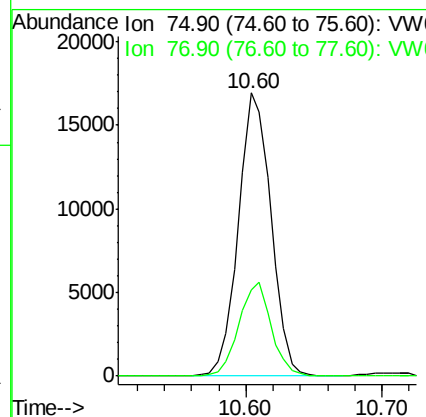
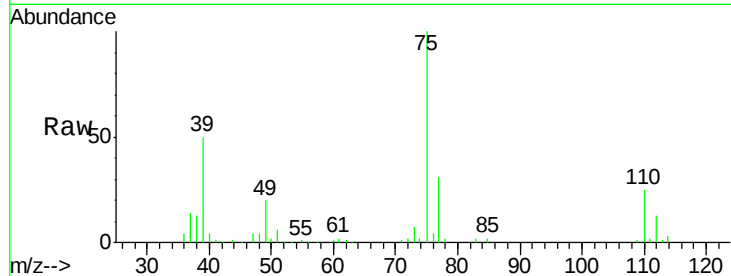
#53
 t-1,3-Dichloropropene
 Concen: 20.466 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion: 75 Resp: 28376
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.4 36.6

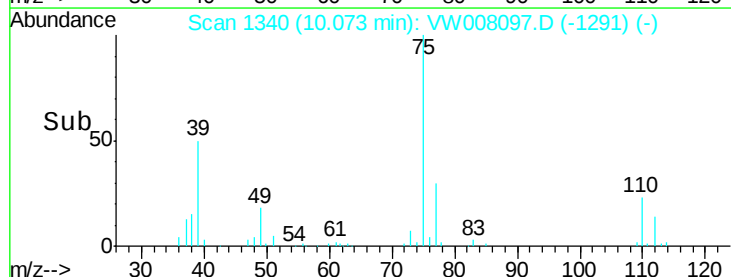
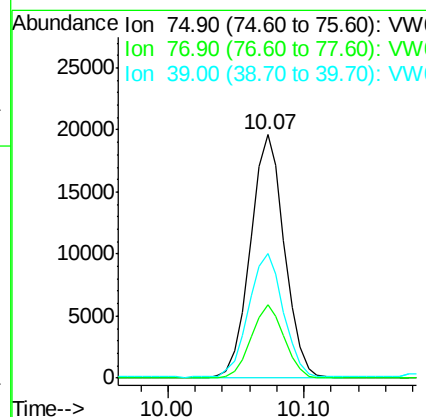
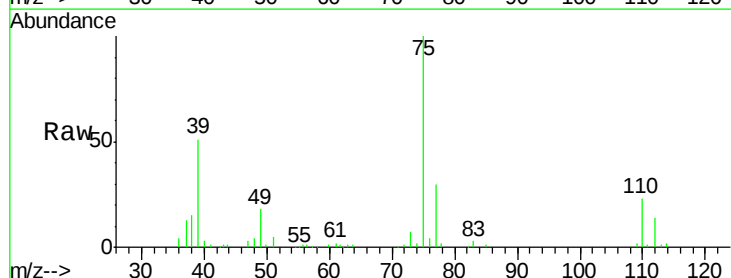
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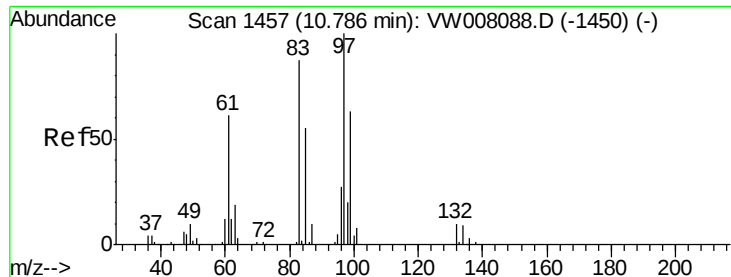
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#54
 cis-1,3-Dichloropropene
 Concen: 20.881 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion: 75 Resp: 34331
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.2 37.8
 39 50.8 41.4 62.0





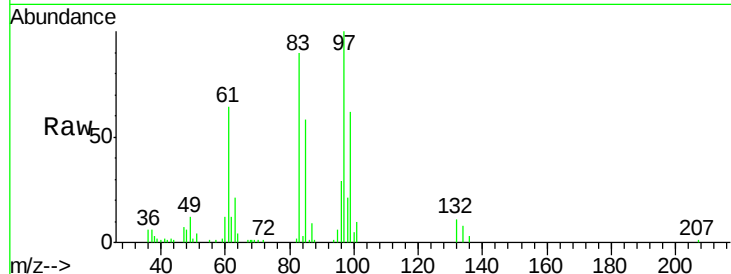
#55
 1,1,2-Trichloroethane
 Concen: 21.082 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBSD01

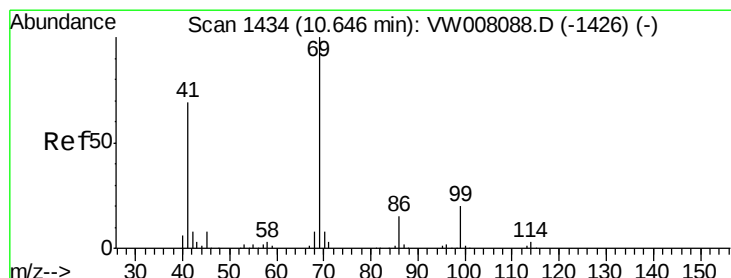
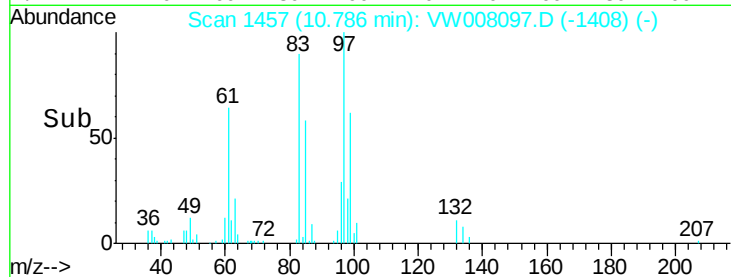
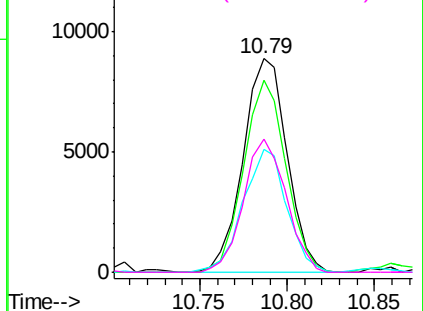
Tot Ion:	97	Resp:	15538
Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.3	103.9
85	57.6	43.8	65.6
99	62.2	50.0	75.0

Manual Integrations
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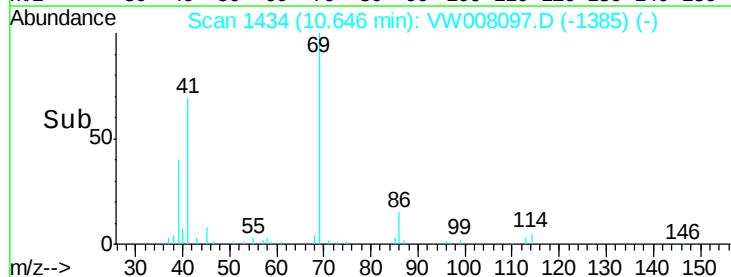
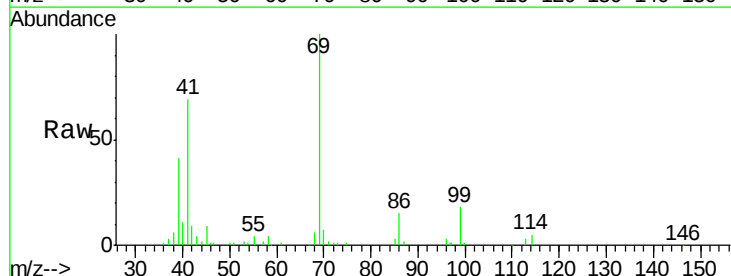
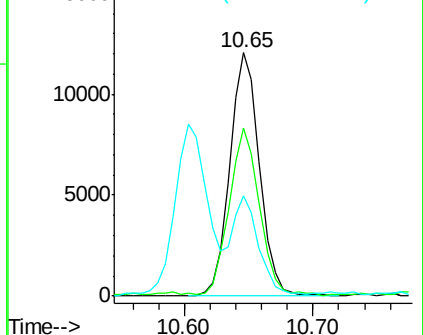
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.222 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion:	69	Resp:	19370
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.4	84.6
39	36.8	28.1	42.1

Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





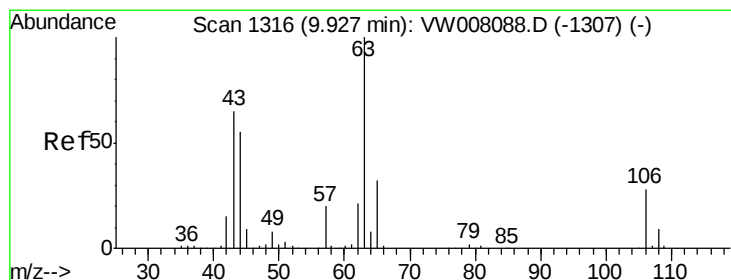
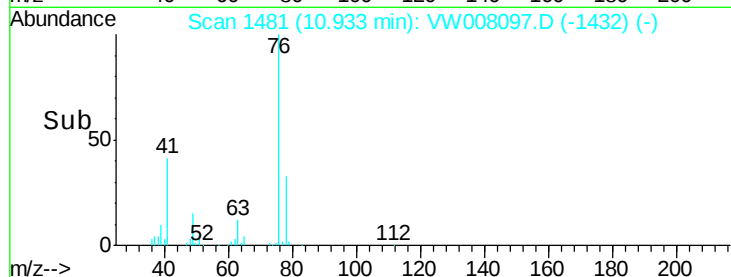
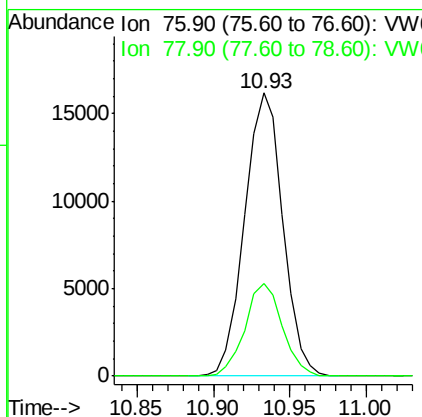
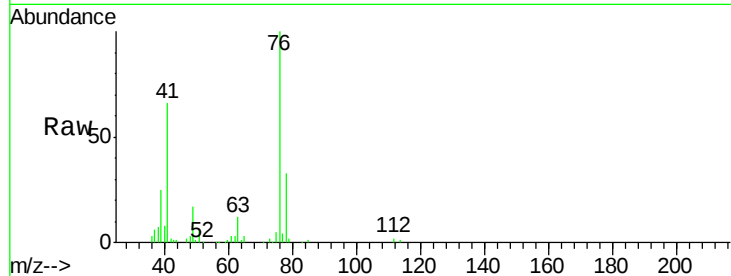
#57
 1,3-Dichloropropane
 Concen: 20.874 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBSD01

Tot Ion: 76 Resp: 28136
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

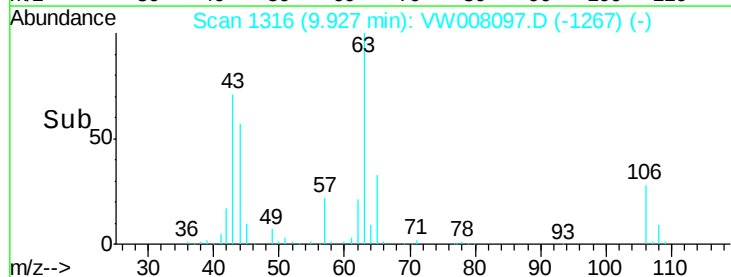
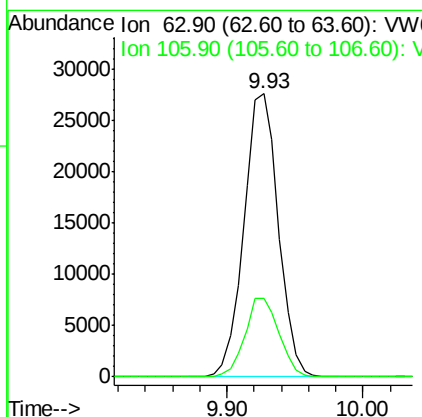
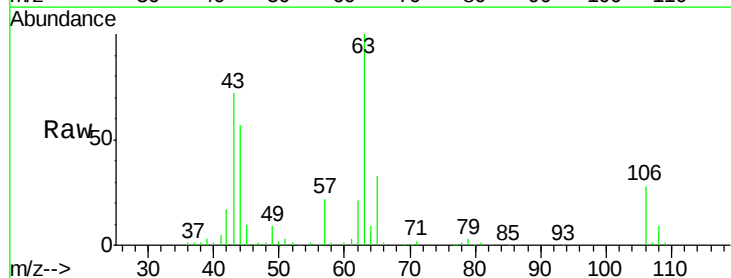
Manual Integrations
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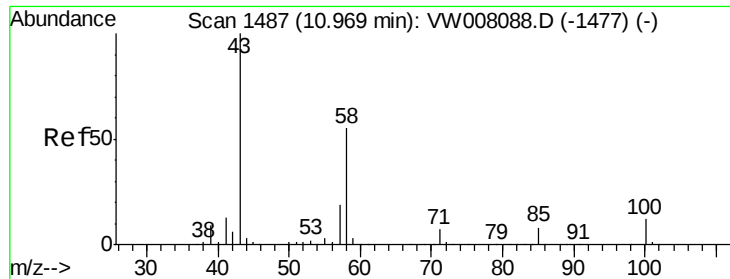
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 1/10/2019 4:51:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.412 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion: 63 Resp: 48756
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.8 32.6





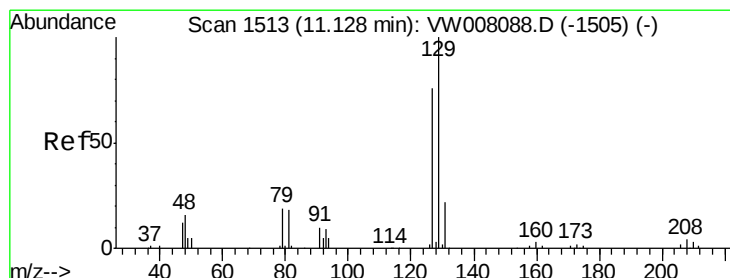
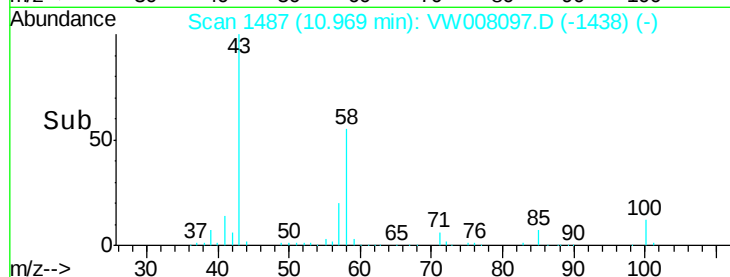
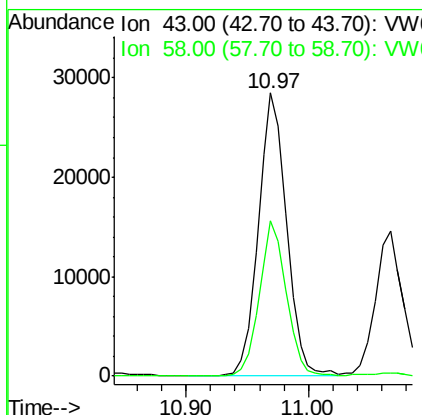
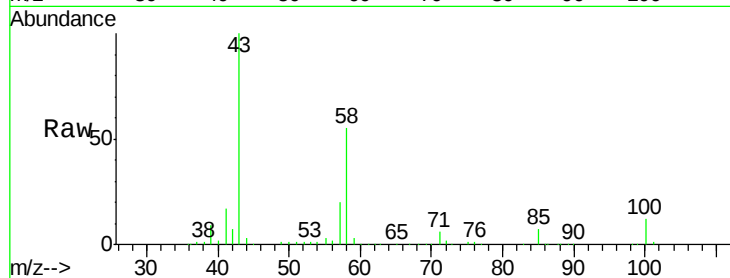
#59
2-Hexanone
Concen: 110.227 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion: 43 Resp: 45936
Ion Ratio Lower Upper
43 100
58 52.4 27.2 81.5

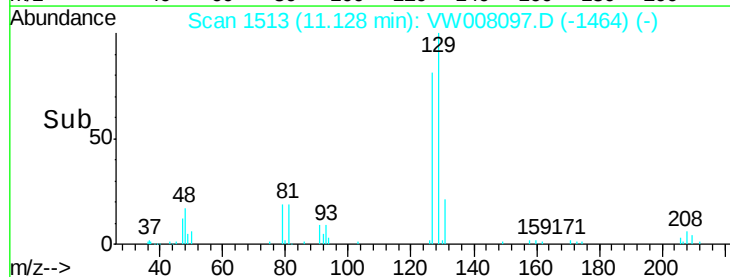
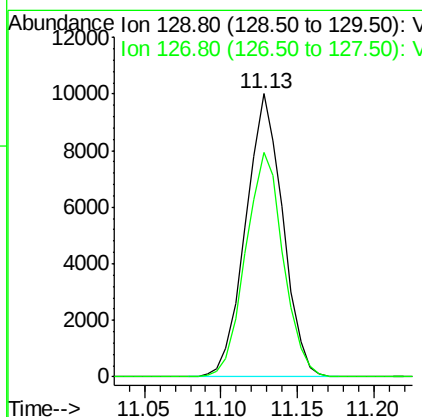
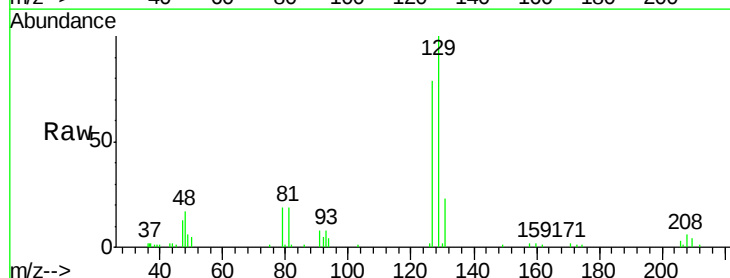
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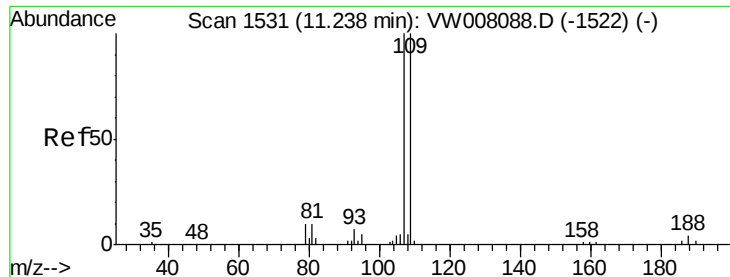
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#60
Dibromochloromethane
Concen: 20.874 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion: 129 Resp: 16894
Ion Ratio Lower Upper
129 100
127 80.3 38.9 116.6





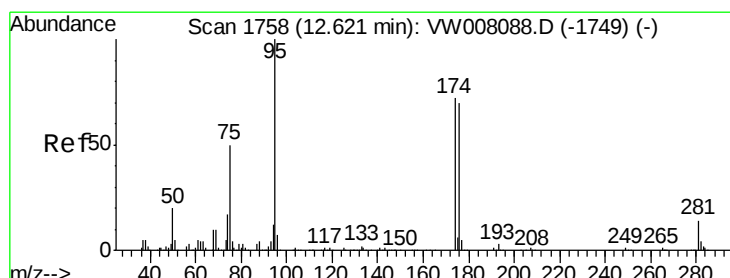
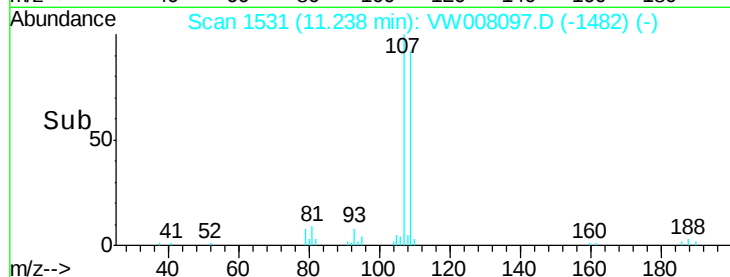
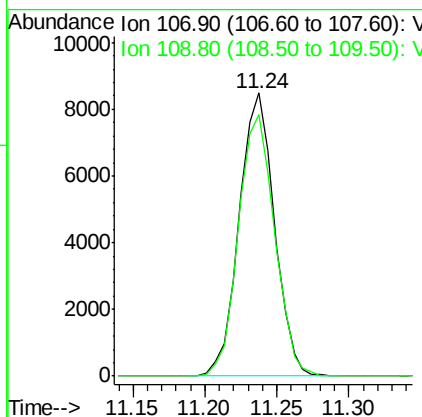
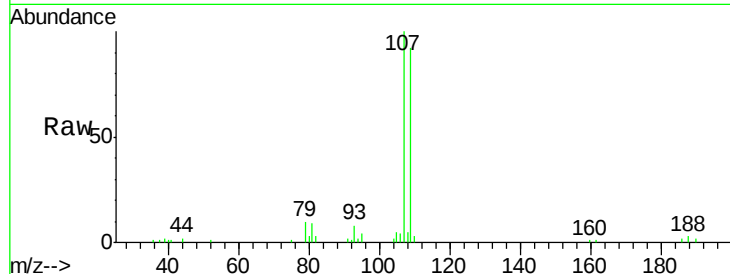
#61
 1,2-Dibromoethane
 Concen: 20.604 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

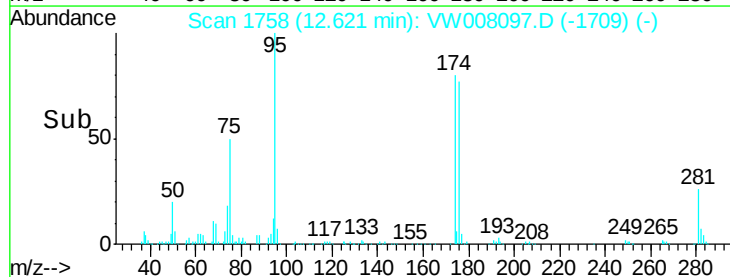
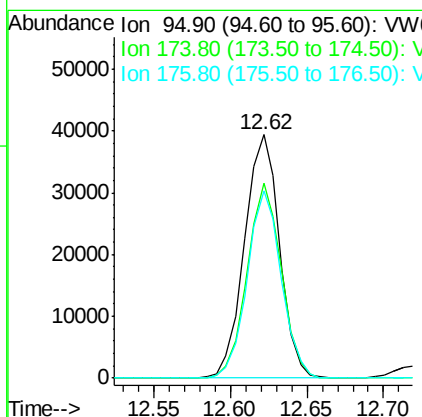
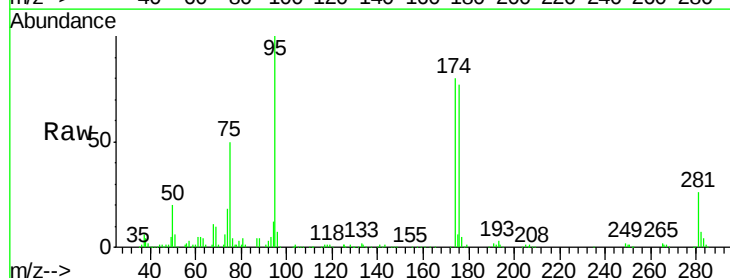
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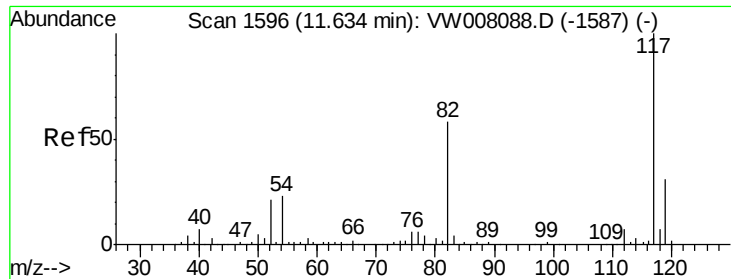
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#62
 4-Bromofluorobenzene
 Concen: 46.259 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	143.0
176	74.8	0.0	140.2





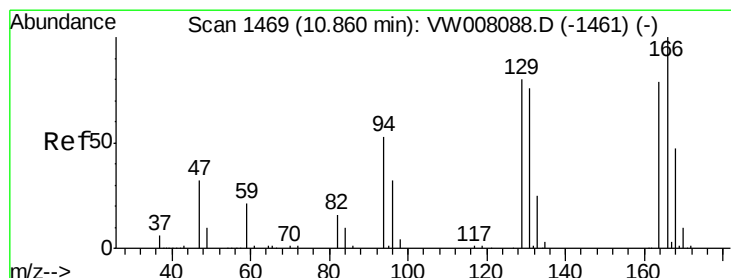
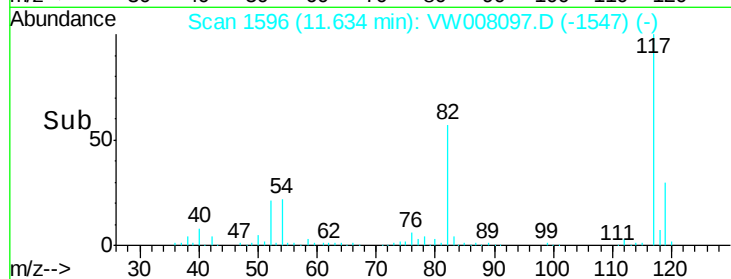
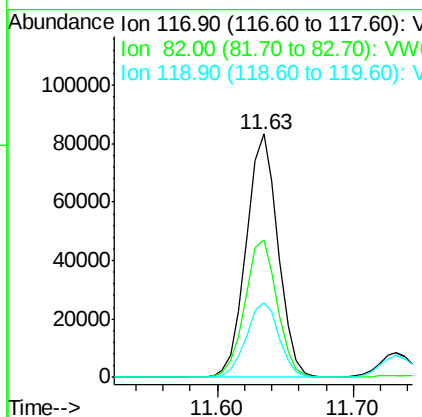
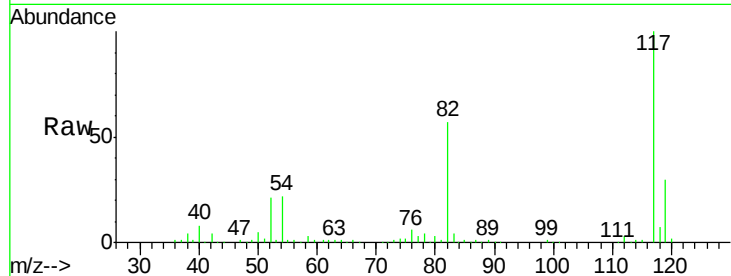
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.4	69.6
119	30.5	24.7	37.1

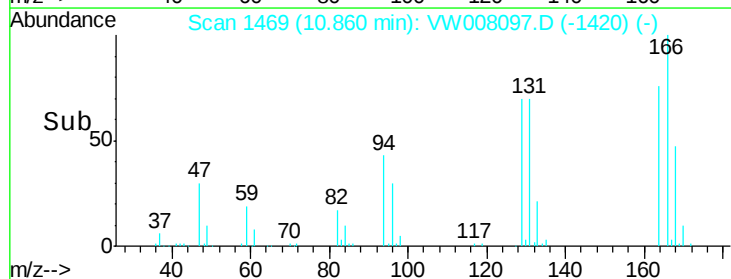
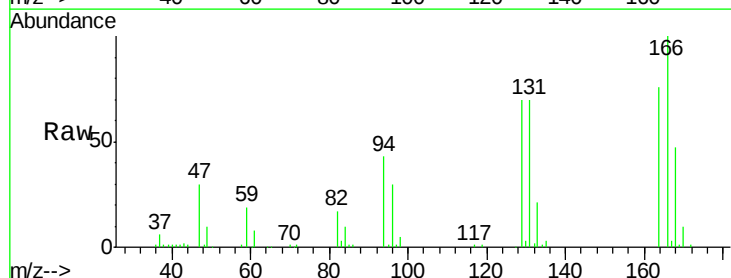
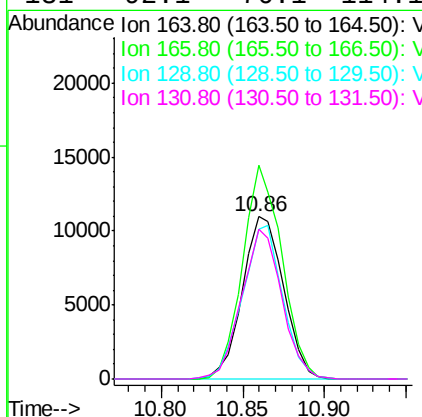
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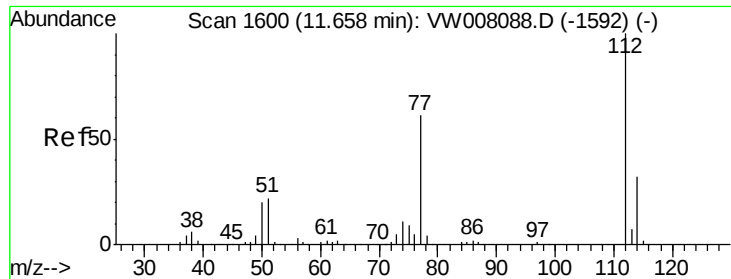
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#64
Tetrachloroethene
Concen: 21.673 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	100.7	151.1
129	92.5	81.0	121.4
131	92.1	76.1	114.1





#65

Chlorobenzene

Concen: 20.945 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion:112 Resp: 60484

Ion Ratio Lower Upper

112 100

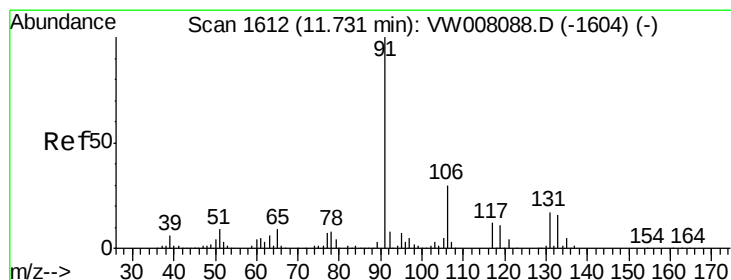
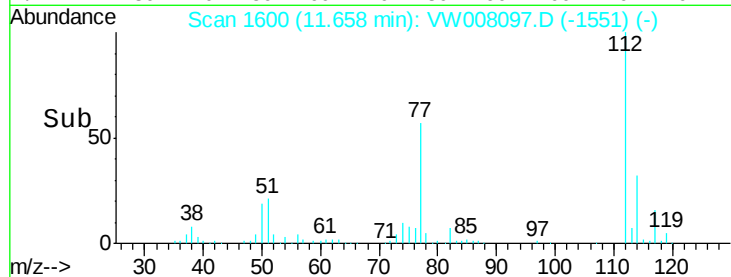
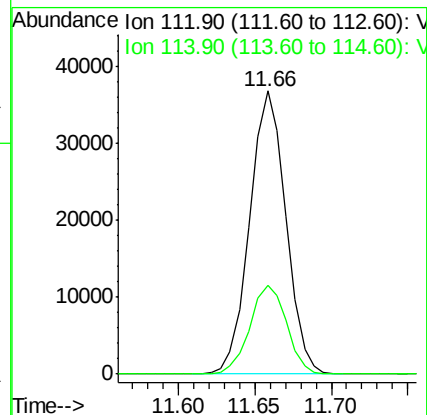
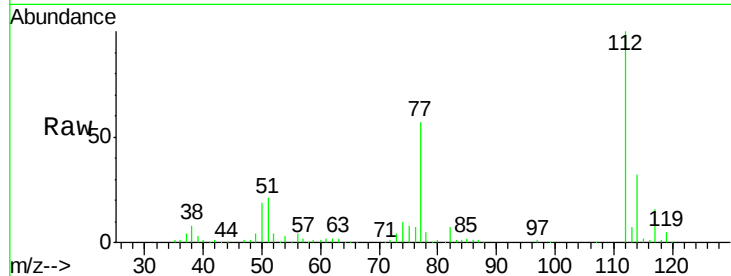
114 31.6 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.877 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

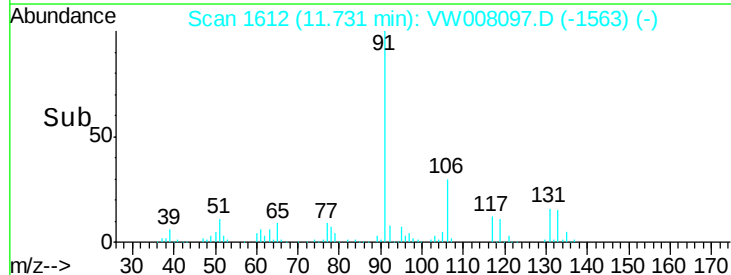
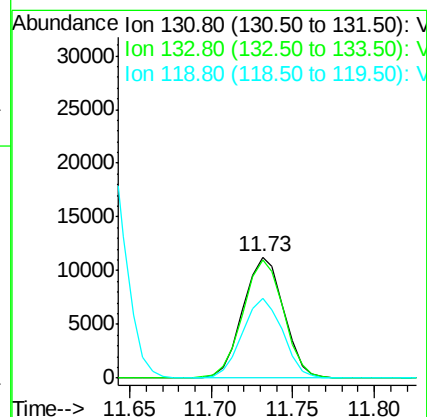
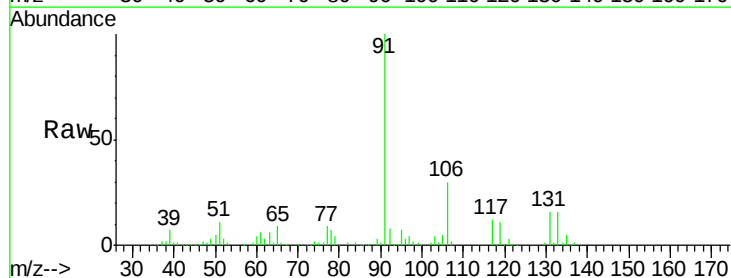
Tgt Ion:131 Resp: 19609

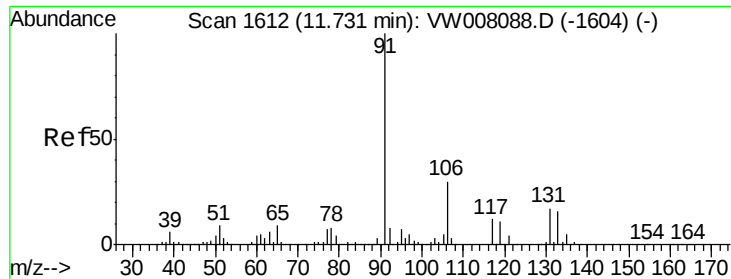
Ion Ratio Lower Upper

131 100

133 97.5 47.9 143.7

119 64.9 32.5 97.4





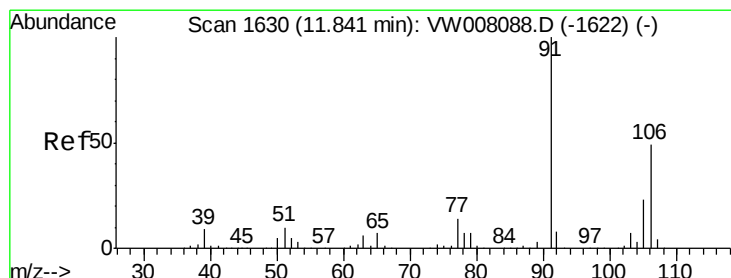
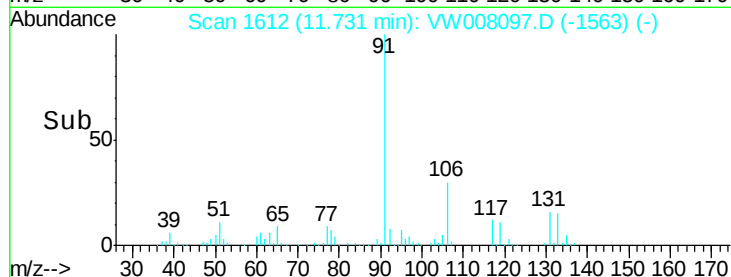
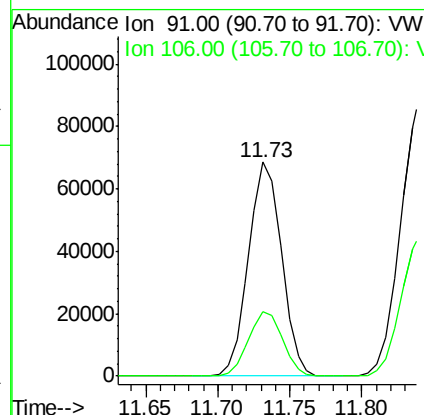
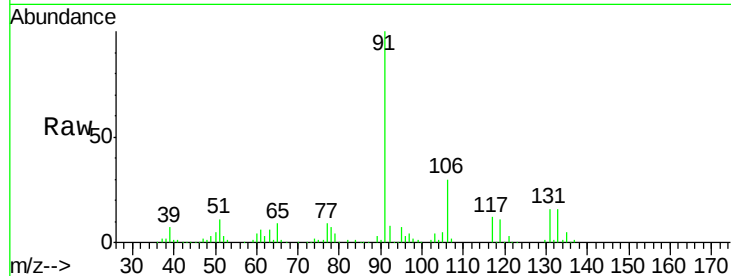
#67
Ethyl Benzene
Concen: 20.711 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion: 91 Resp: 109433
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4

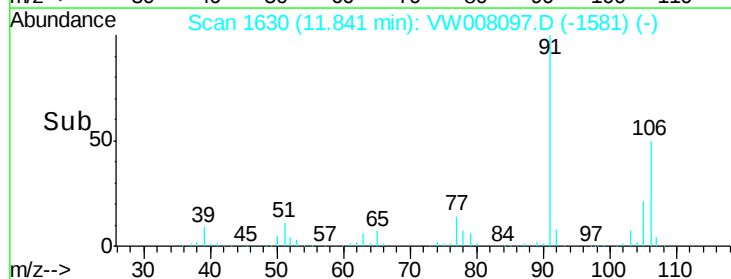
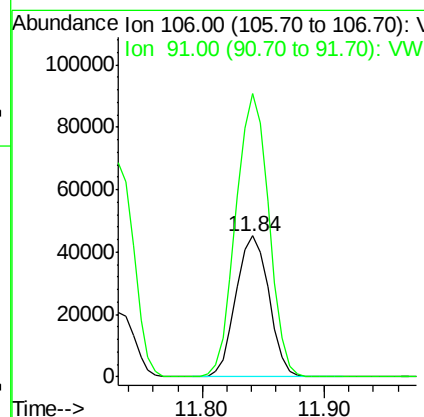
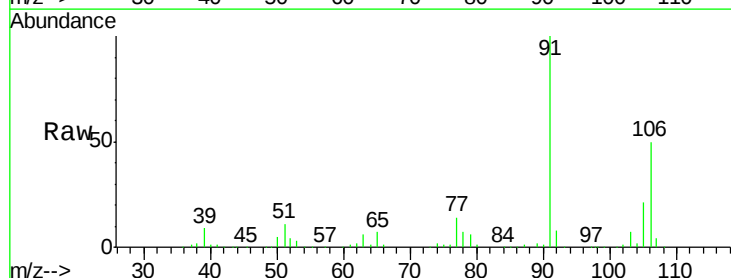
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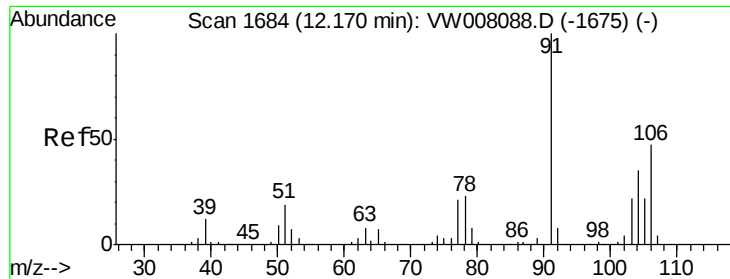
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#68
m/p-Xylenes
Concen: 42.005 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion: 106 Resp: 84714
Ion Ratio Lower Upper
106 100
91 199.8 162.4 243.6





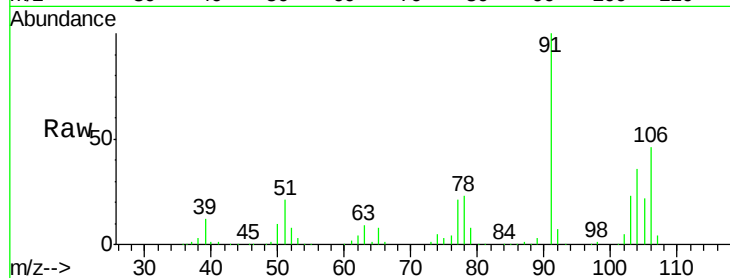
#69
o-Xylene
Concen: 21.136 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

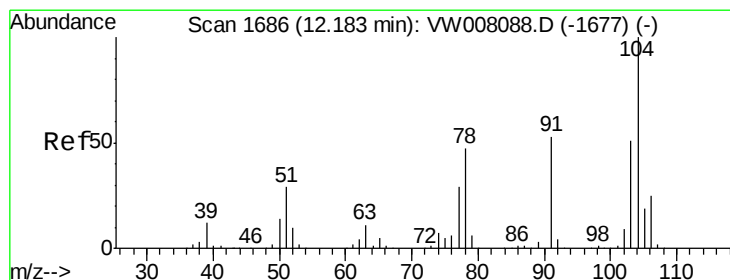
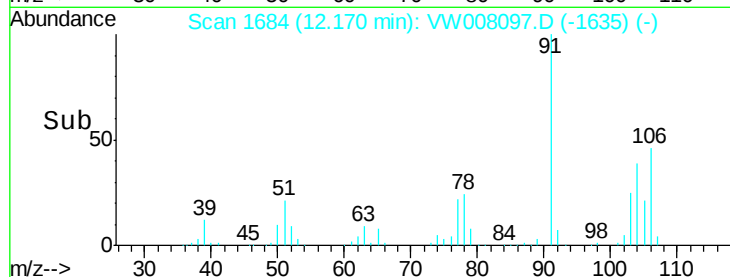
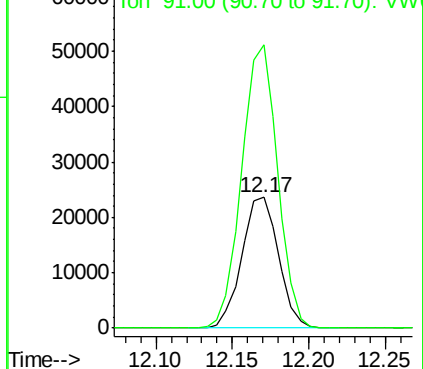
Tot Ion:106 Resp: 39473
Ion Ratio Lower Upper
106 100
91 211.0 107.8 323.6

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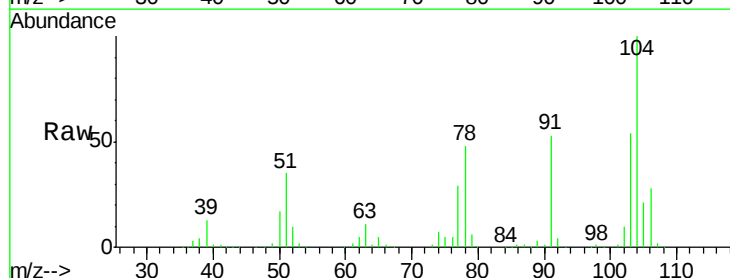


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

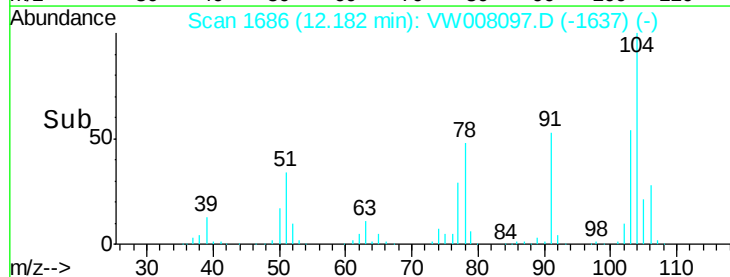
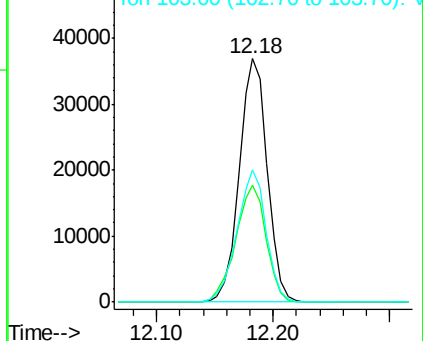


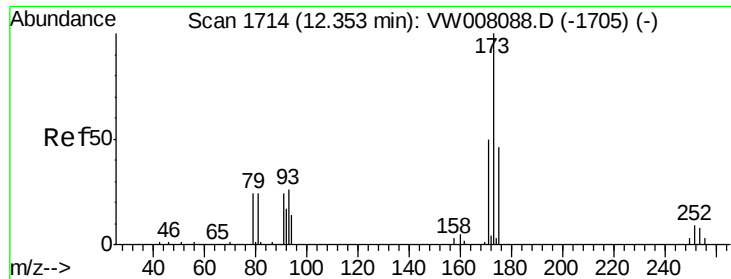
#70
Styrene
Concen: 21.071 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion:104 Resp: 61639
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 56.6 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.629 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

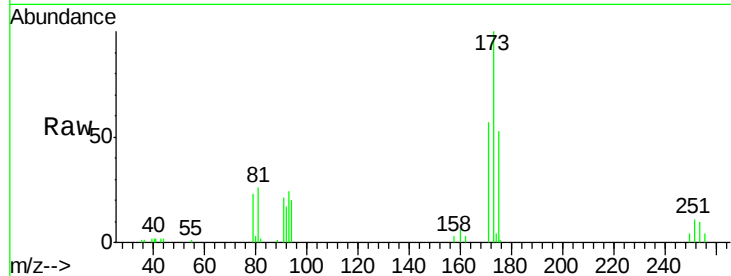
ClientSampleId :

VW0109SBSD01

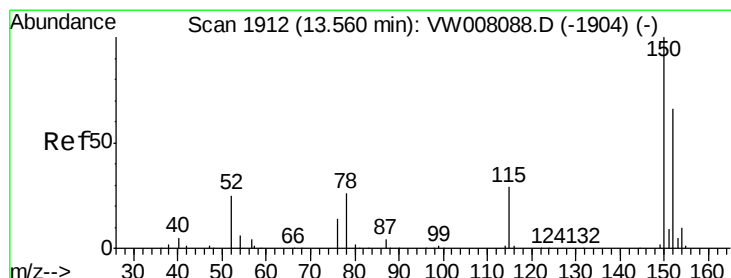
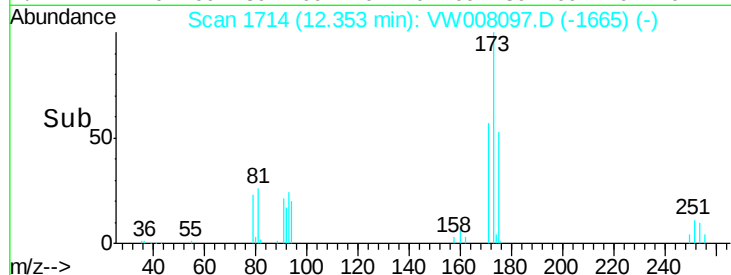
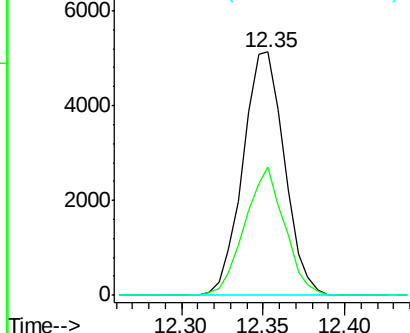
Tot Ion:	173	Resp:	9092
Ion Ratio	Lower	Upper	
173	100		
175	50.5	23.3	69.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

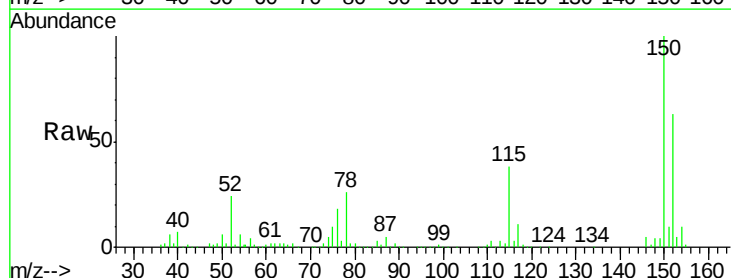
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

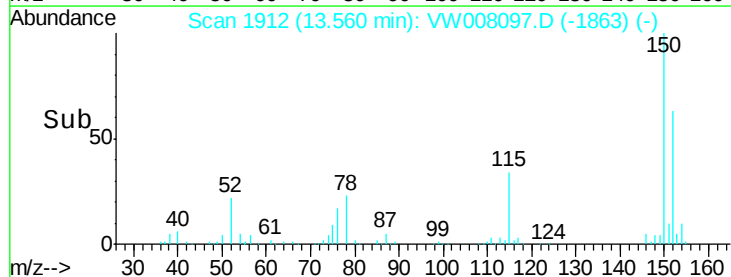
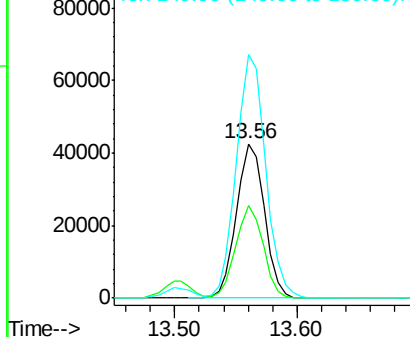
Lab File: VW008097.D

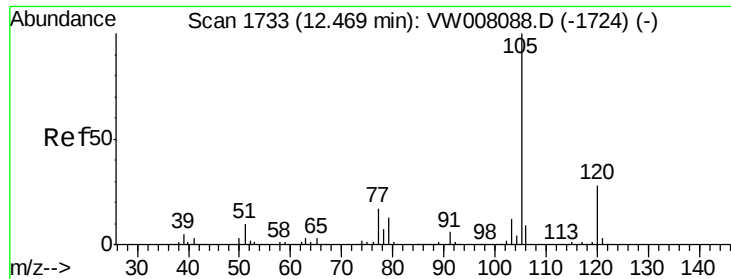
Acq: 09 Jan 2019 12:37

Tgt Ion:	152	Resp:	67368
Ion Ratio	Lower	Upper	
152	100		
115	58.5	30.8	92.4
150	165.7	0.0	350.2



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





#73

Isopropylbenzene

Concen: 20.506 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 105 Resp: 108456

Ion Ratio Lower Upper

105 100

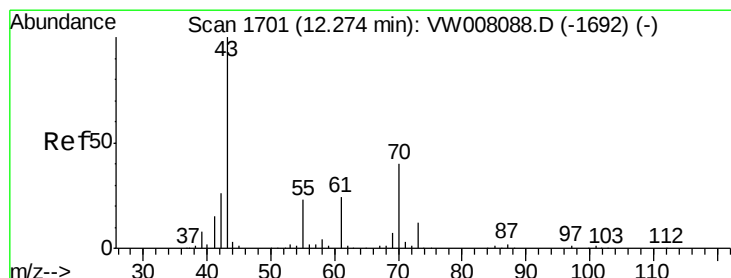
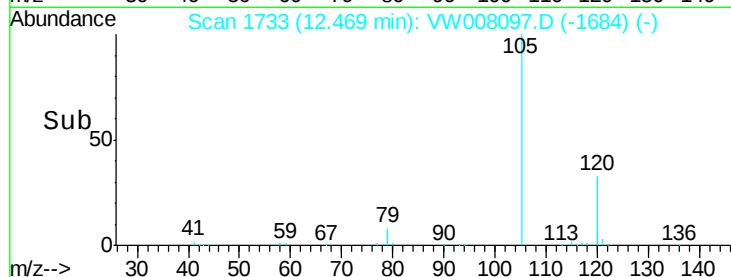
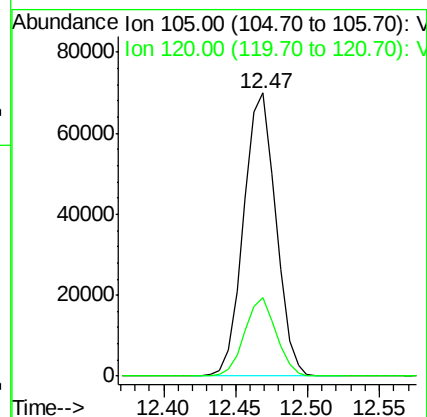
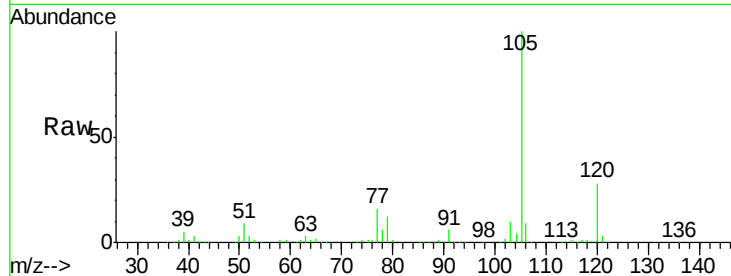
120 26.8 13.6 40.8

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#74

N-ethyl acetate

Concen: 21.178 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Tgt Ion: 43 Resp: 24805

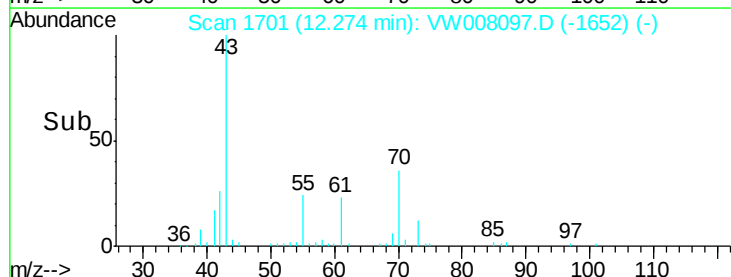
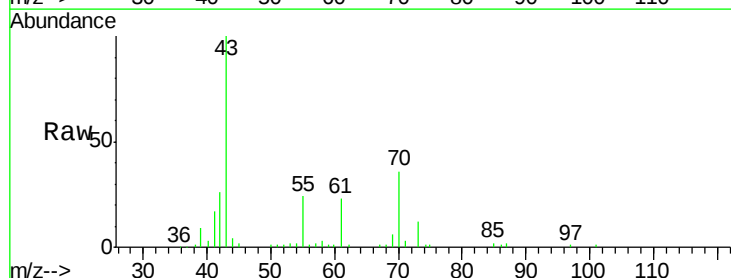
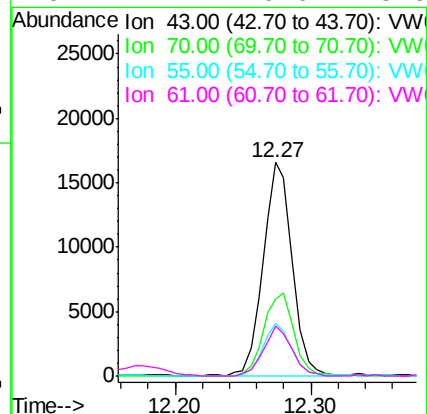
Ion Ratio Lower Upper

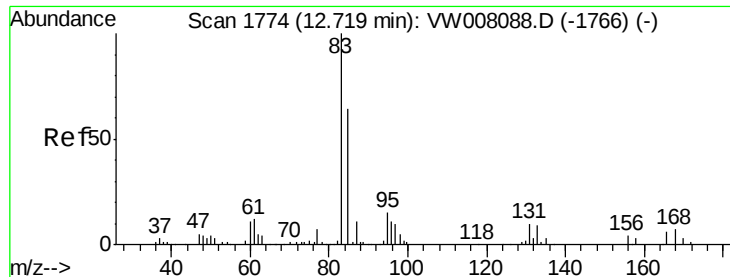
43 100

70 40.4 32.4 48.6

55 24.4 18.7 28.1

61 22.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.818 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

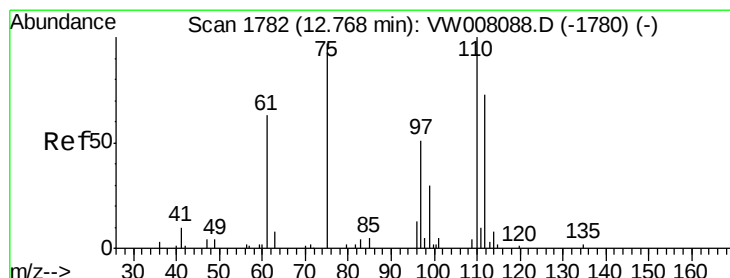
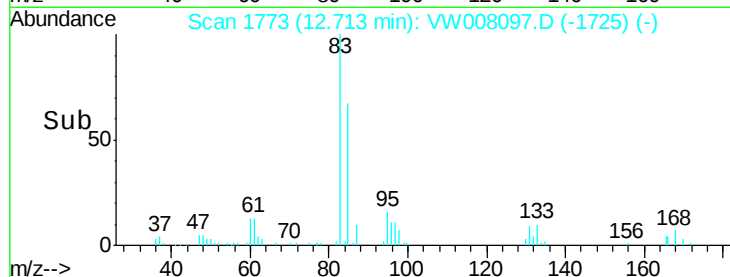
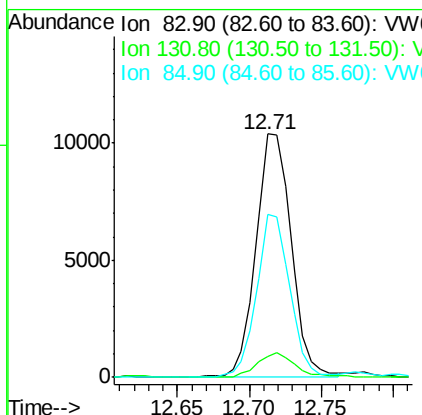
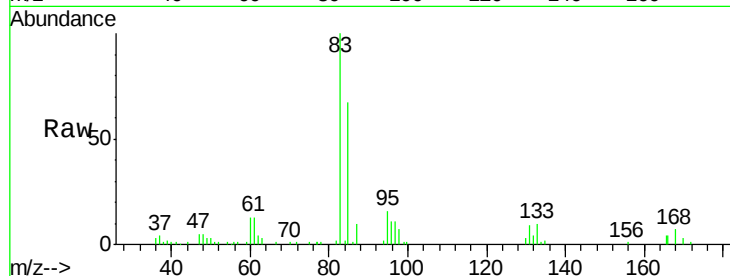
ClientSampleId :

VW0109SBS01

Tot Ion:	83	Resp:	17624
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	62.8	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 21.451 ug/l m

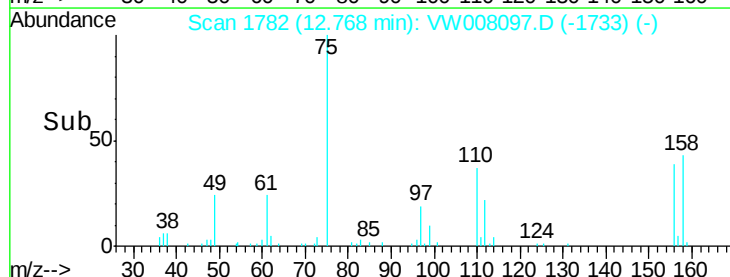
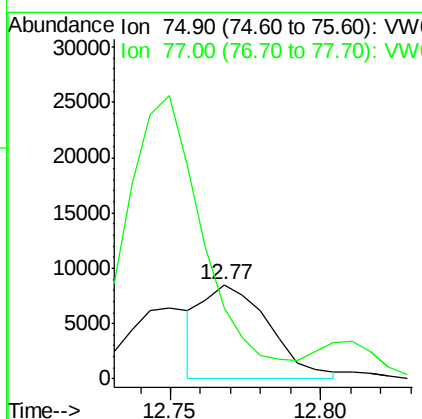
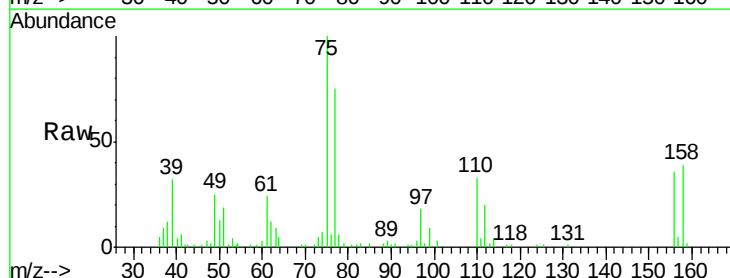
RT: 12.77 min Scan# 1782

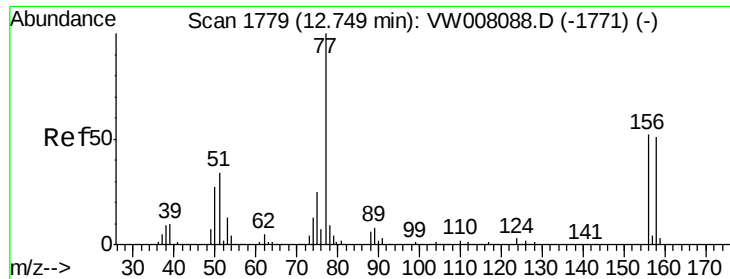
Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Tgt Ion:	75	Resp:	13174
Ion Ratio	Lower	Upper	
75	100		
77	351.1	179.4	538.2





#77

Bromobenzene

Concen: 20.753 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBSD01

Tot Ion:156 Resp: 23193

Ion Ratio Lower Upper

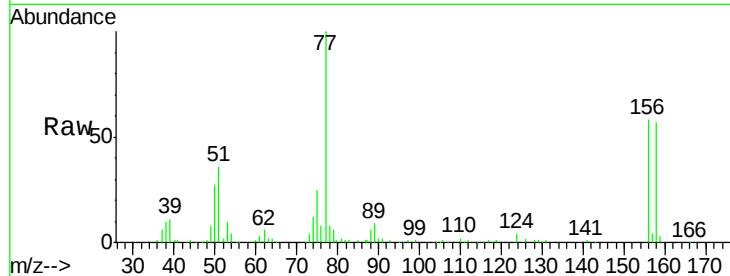
156 100

77 199.4 104.2 312.5

158 99.8 47.9 143.6

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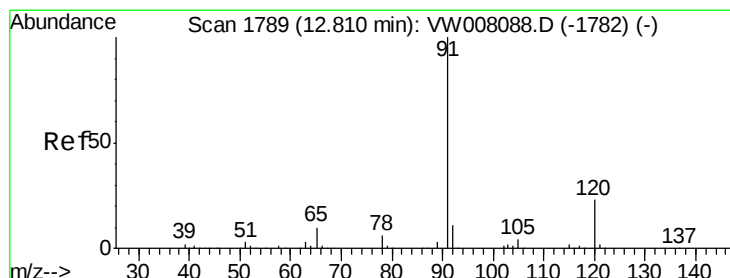
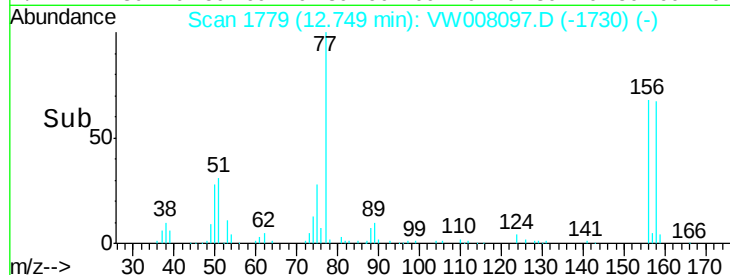
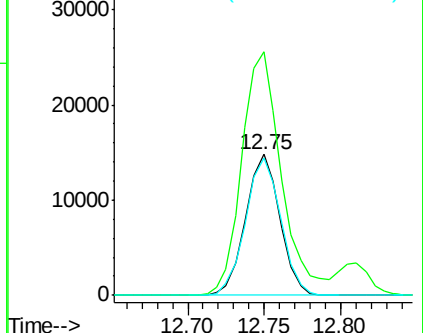
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.367 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008097.D

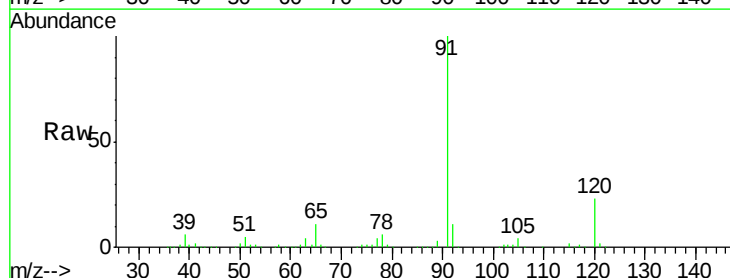
Acq: 09 Jan 2019 12:37

Tgt Ion: 91 Resp: 131987

Ion Ratio Lower Upper

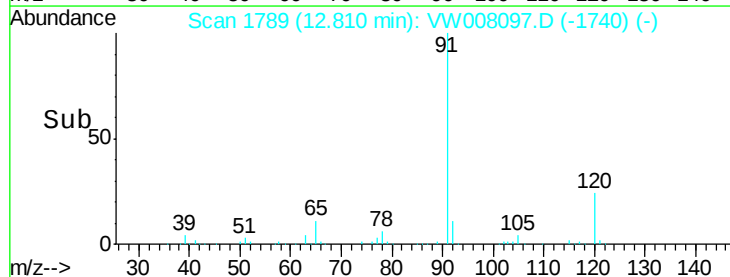
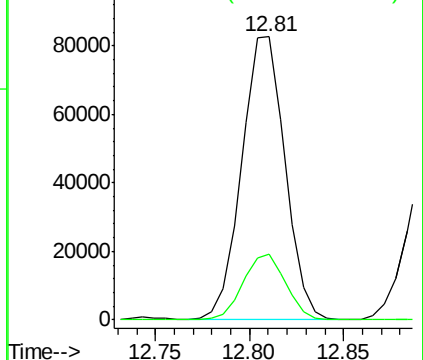
91 100

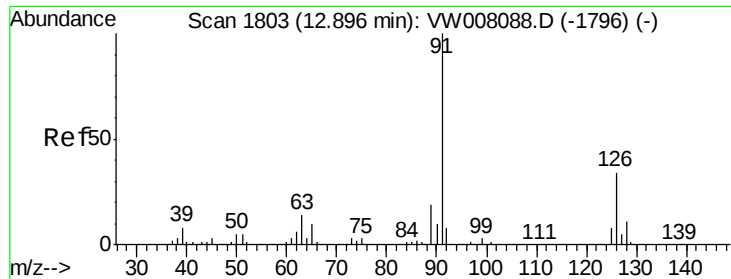
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.037 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 91 Resp: 72443

Ion Ratio Lower Upper

91 100

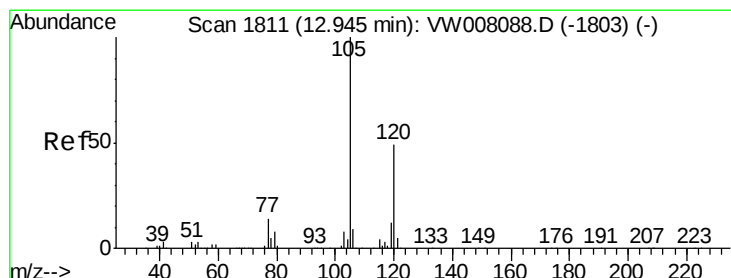
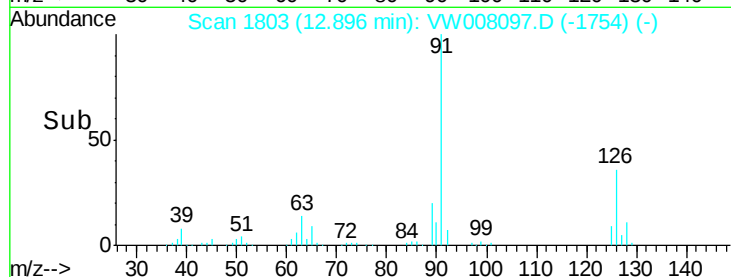
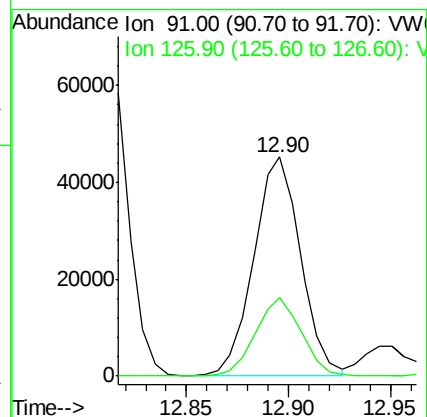
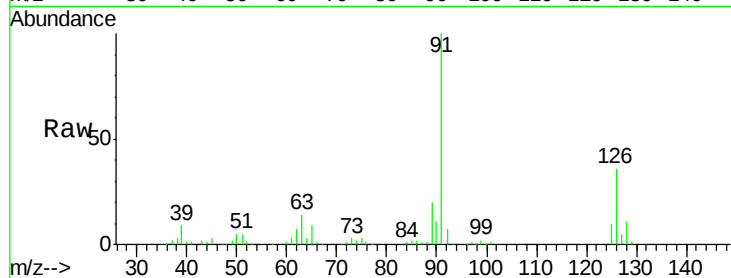
126 35.0 16.8 50.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.552 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008097.D

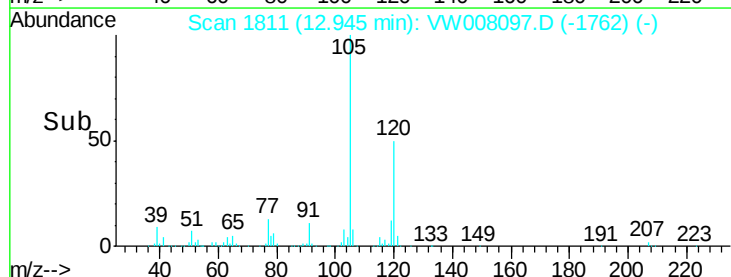
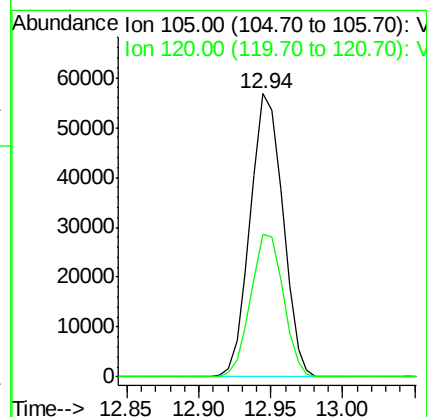
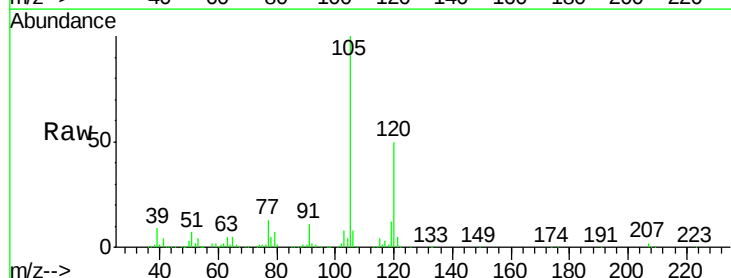
Acq: 09 Jan 2019 12:37

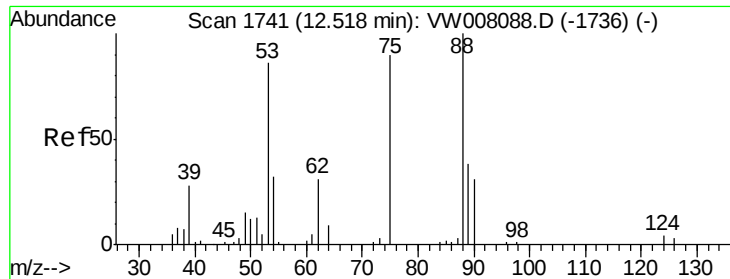
Tgt Ion: 105 Resp: 89325

Ion Ratio Lower Upper

105 100

120 50.3 24.7 74.1





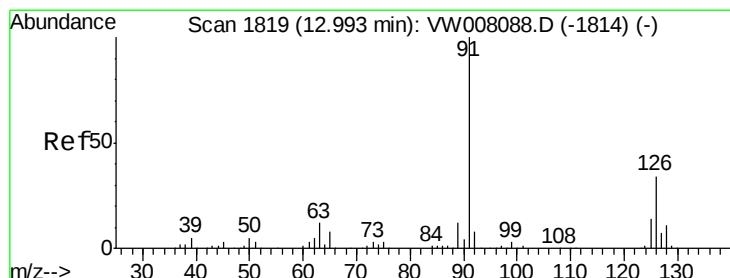
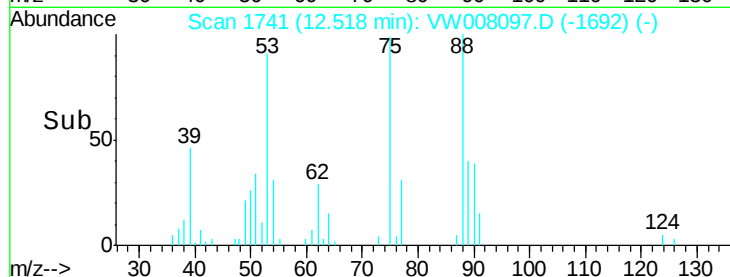
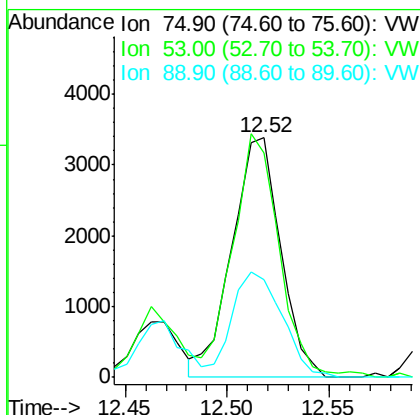
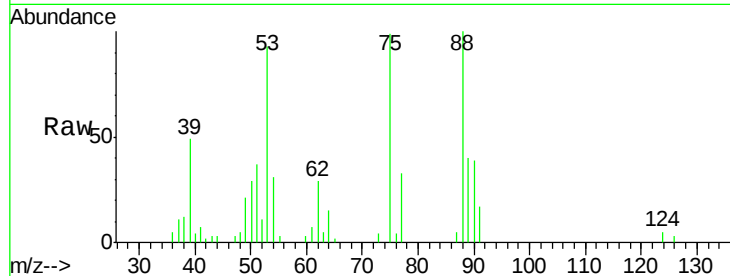
#81
trans-1,4-Dichloro-2-butene
Concen: 21.341 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.8	118.2
89	45.0	35.4	53.2

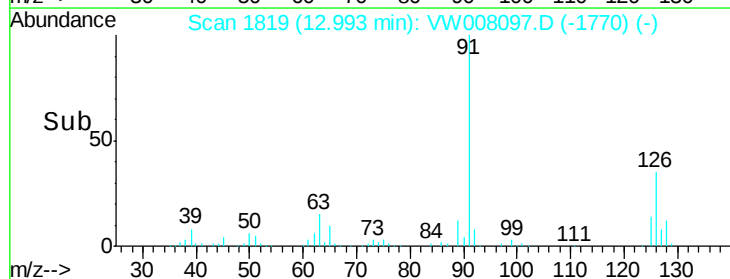
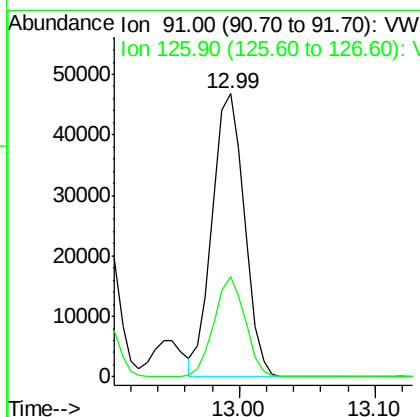
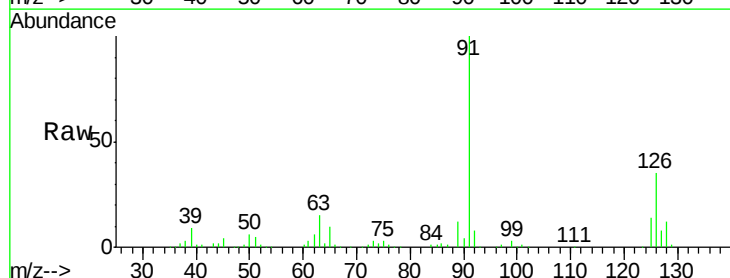
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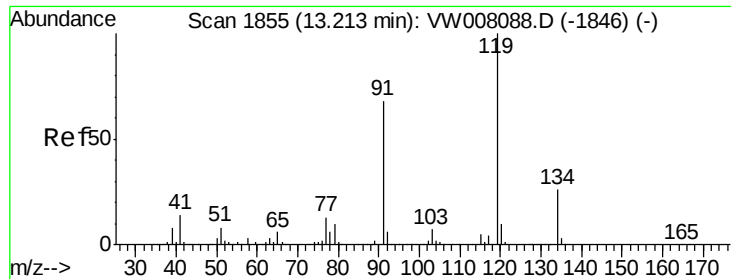
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#82
4-Chlorotoluene
Concen: 20.236 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.5	49.5





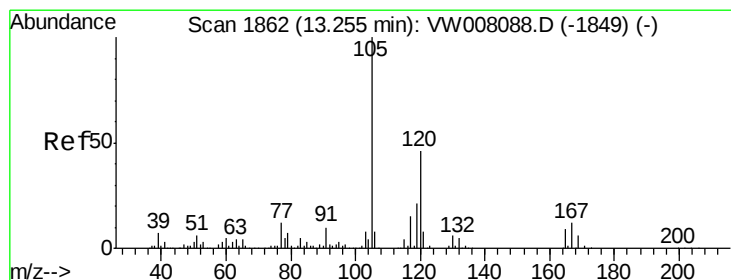
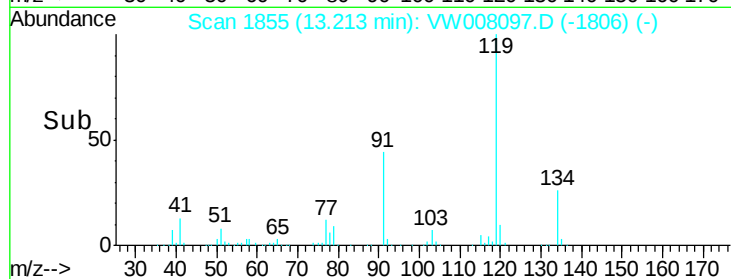
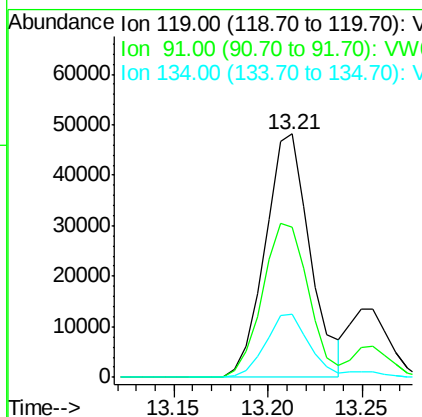
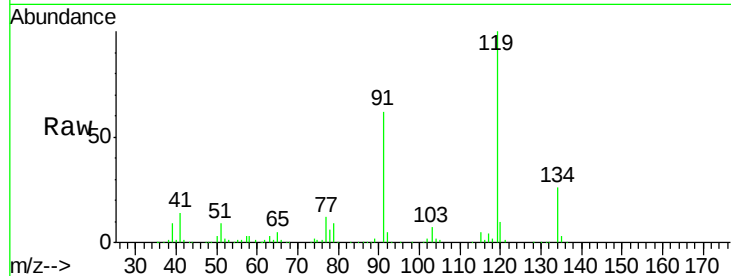
#83
tert-Butylbenzene
Concen: 20.757 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		79813		
91	65.0	33.9	101.6		
134	27.2	13.6	40.8		

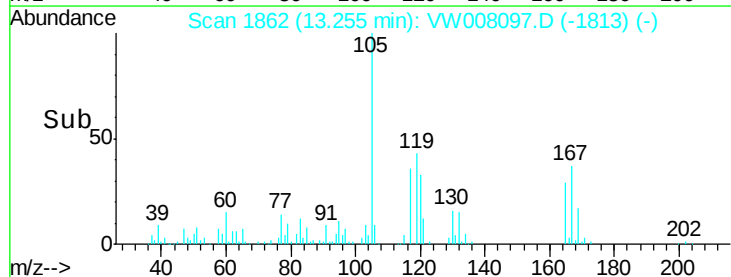
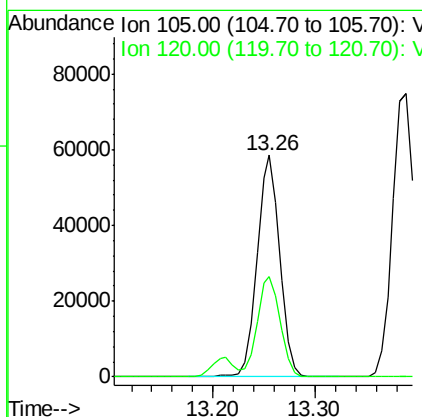
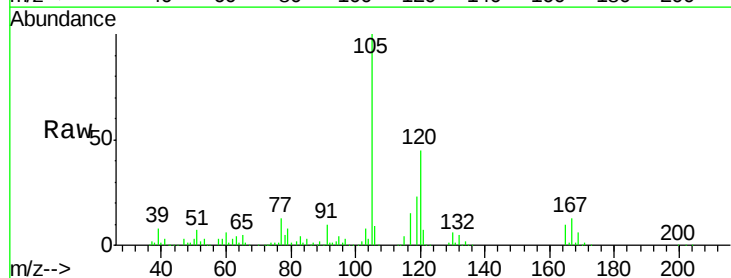
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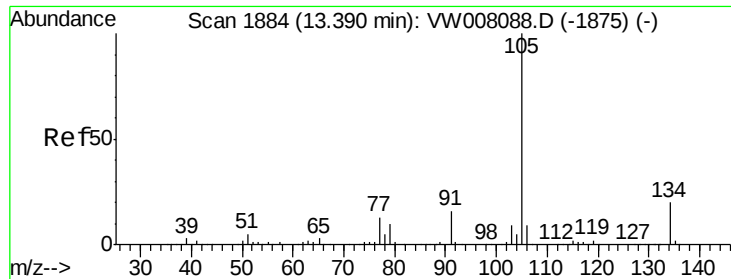
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#84
1,2,4-Trimethylbenzene
Concen: 20.313 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		91055		
120	45.8	22.7	68.1		





#85

sec-Butylbenzene

Concen: 20.430 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion:105 Resp: 115073

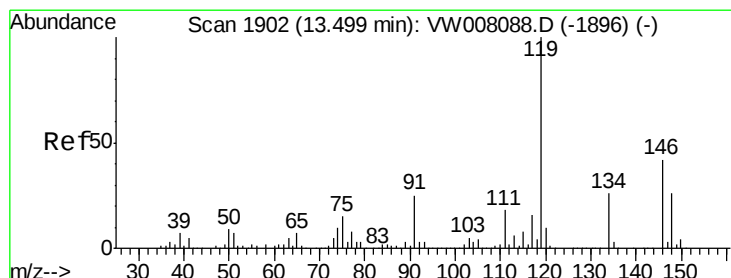
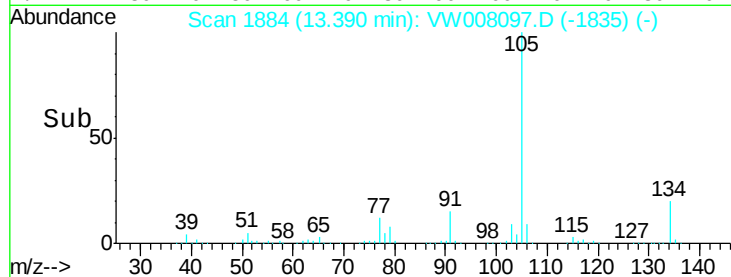
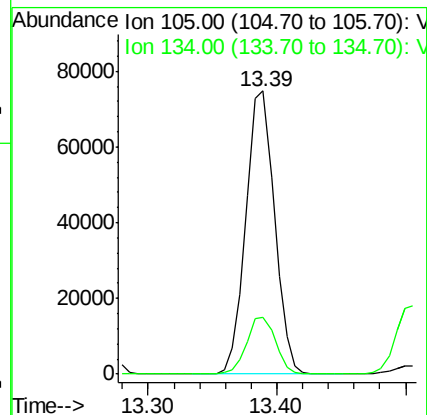
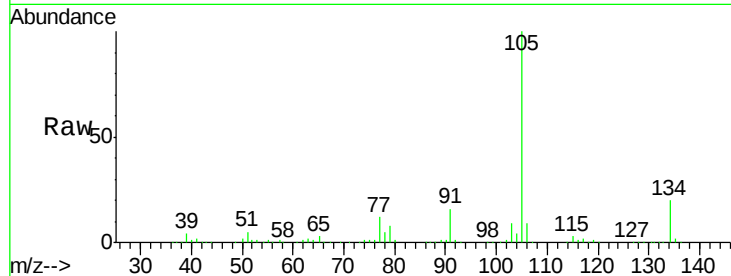
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.492 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

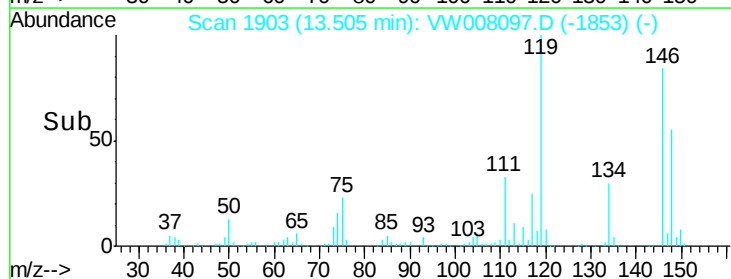
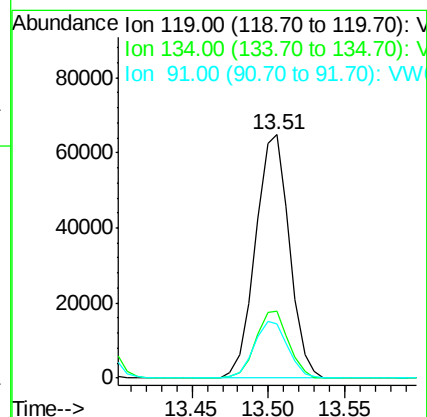
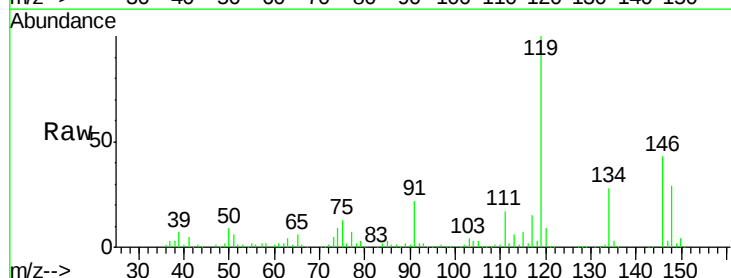
Tgt Ion:119 Resp: 99670

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.3 12.3 36.9





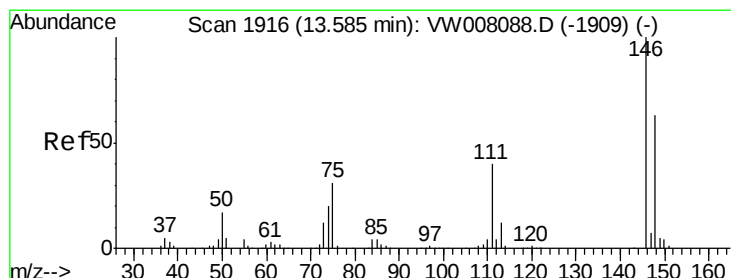
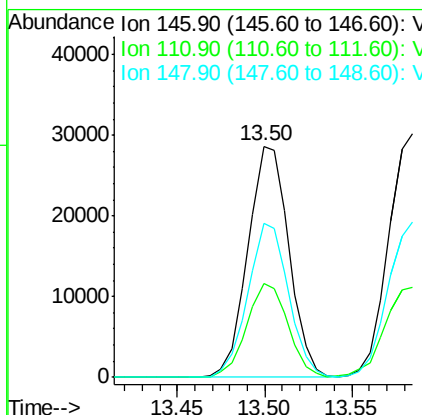
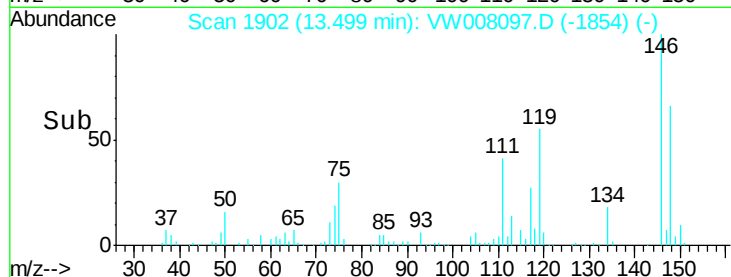
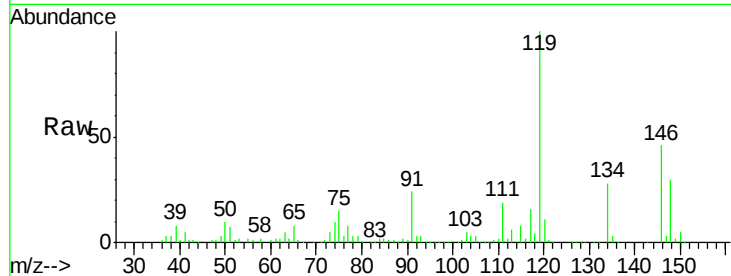
#87
 1,3-Dichlorobenzene
 Concen: 20.740 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.1
148	66.1	31.3	93.9

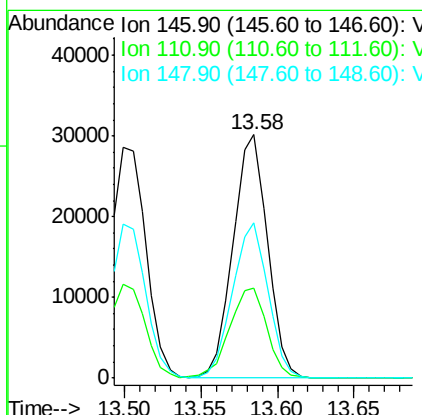
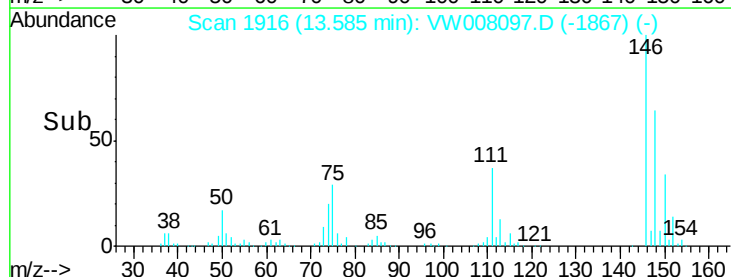
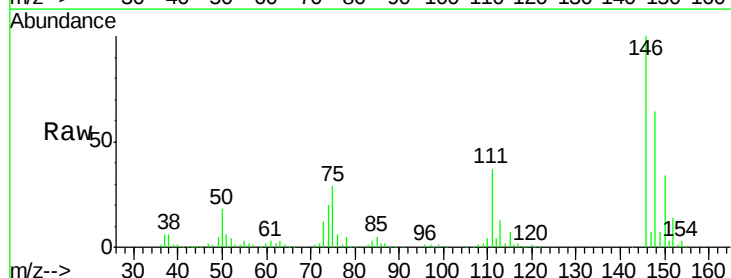
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#88
 1,4-Dichlorobenzene
 Concen: 20.780 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.5	61.5
148	65.3	31.6	94.8





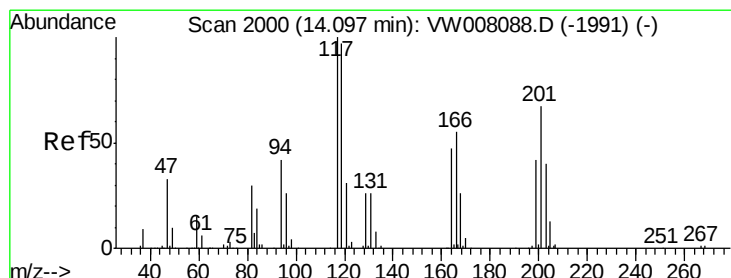
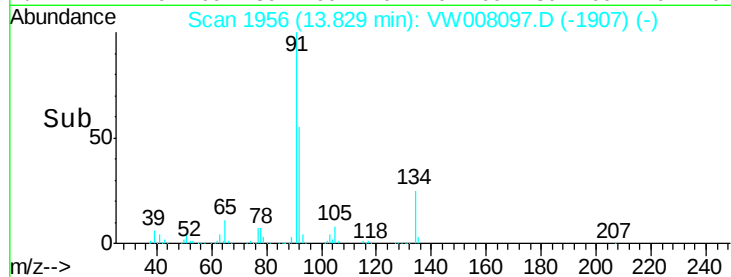
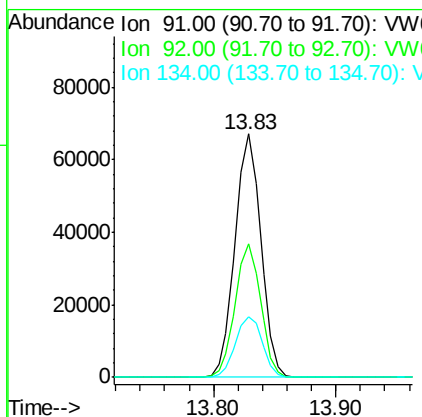
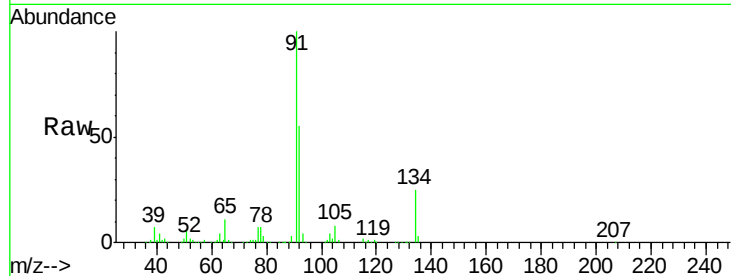
#89
n-Butylbenzene
Concen: 20.627 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.4	82.2
134	25.9	12.6	37.8

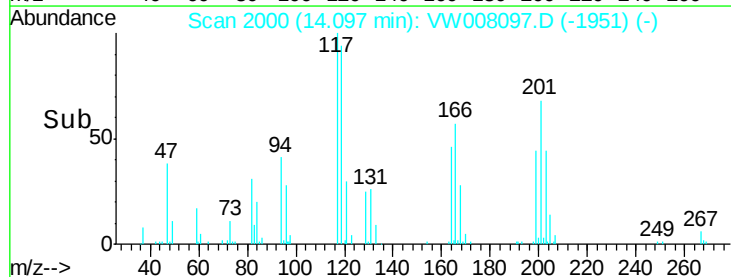
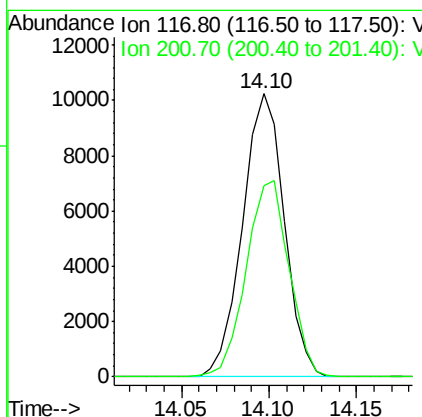
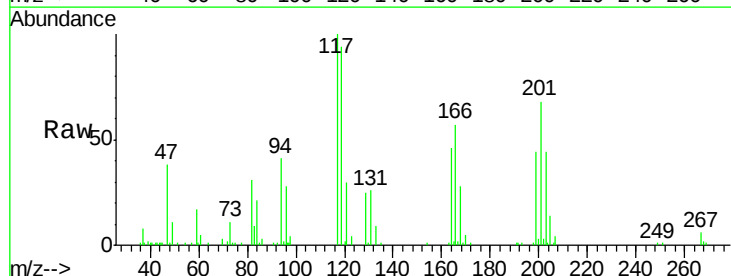
Manual Integrations
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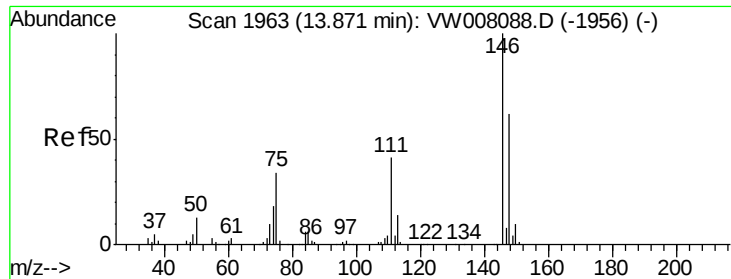
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#90
Hexachloroethane
Concen: 20.684 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008097.D
Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	33.0	98.9





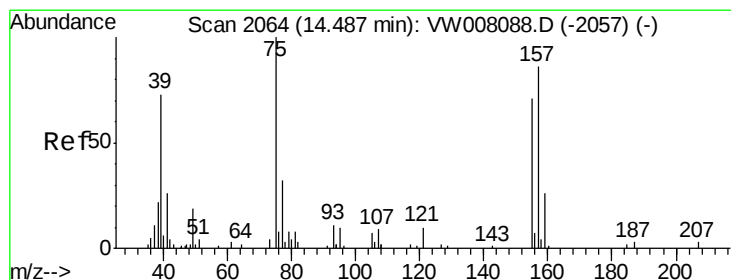
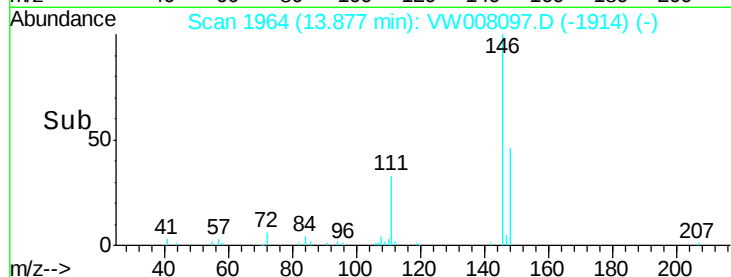
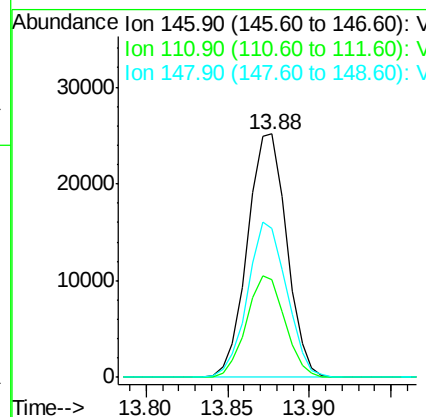
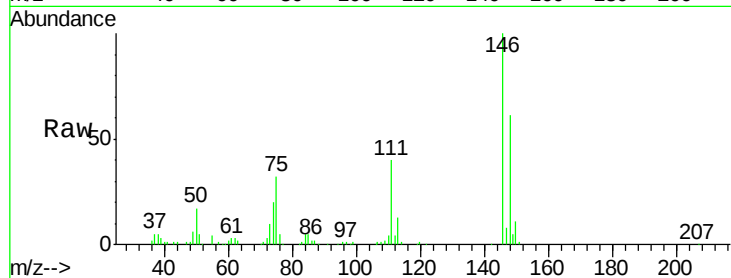
#91
 1,2-Dichlorobenzene
 Concen: 21.210 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	63.7
148	63.6	31.5	94.5

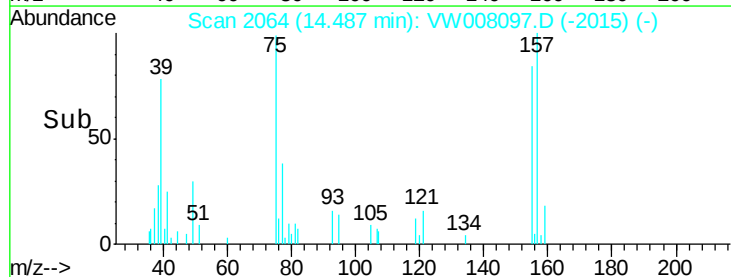
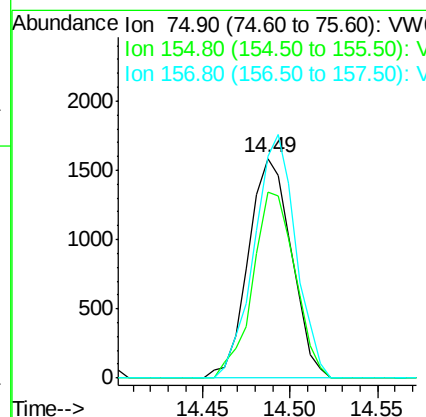
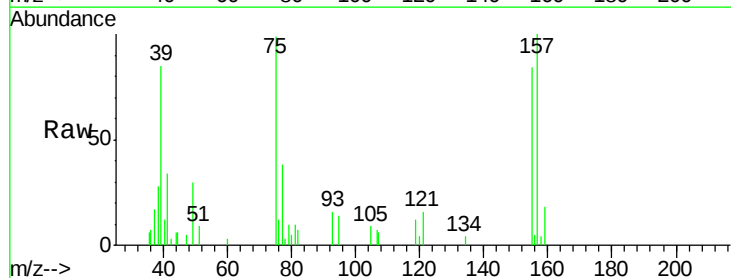
Manual Integrations
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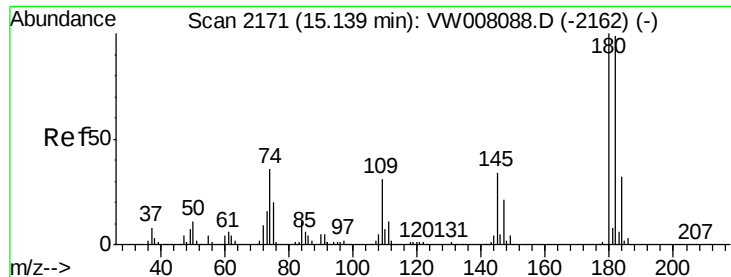
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.913 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	38.6	115.7
157	107.1	47.5	142.6





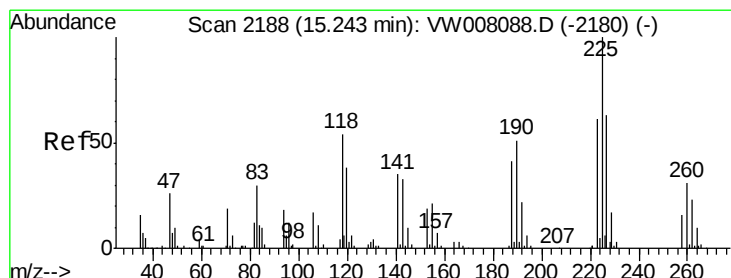
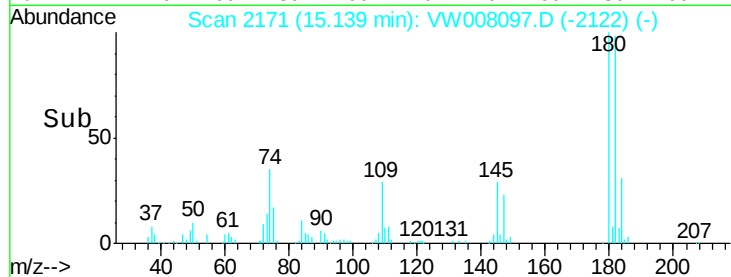
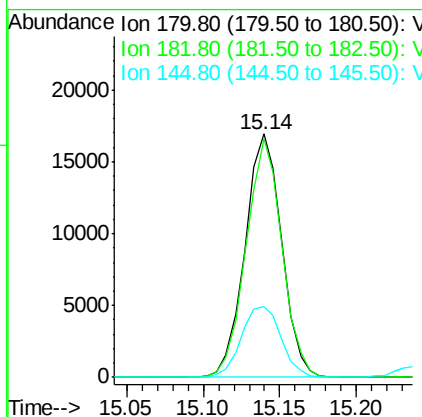
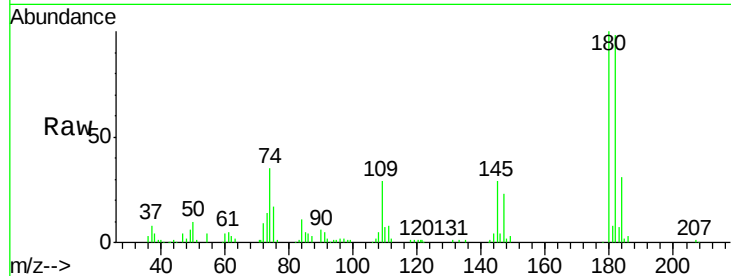
#93
 1,2,4-Trichlorobenzene
 Concen: 21.267 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.6	145.9
145	31.5	16.6	49.7

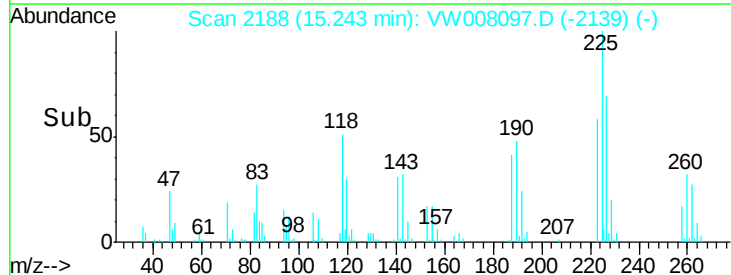
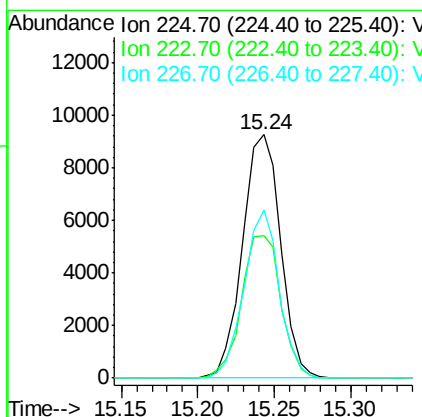
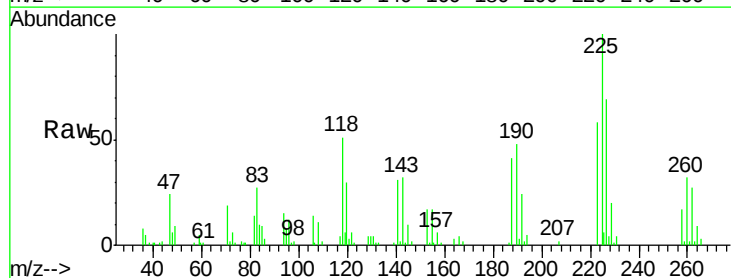
Manual Integrations
 APPROVED

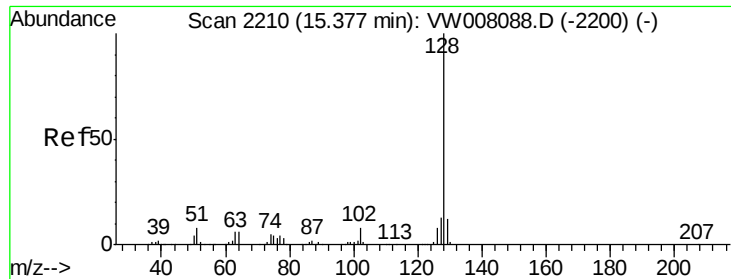
MMDadoda
 1/10/2019 4:51:19 PM



#94
 Hexachlorobutadiene
 Concen: 22.684 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008097.D
 Acq: 09 Jan 2019 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.4	94.3
227	63.4	32.0	96.2





#95

Naphthalene

Concen: 20.152 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Instrument :

MSVOA_W

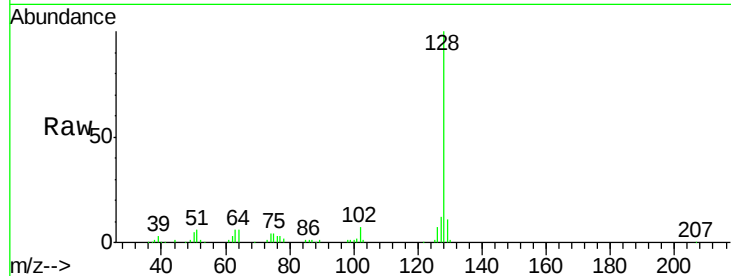
ClientSampleId :

VW0109SBS01

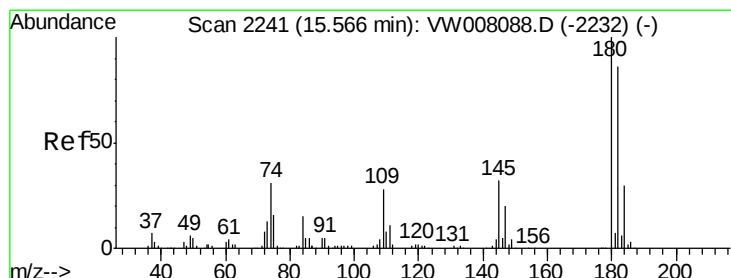
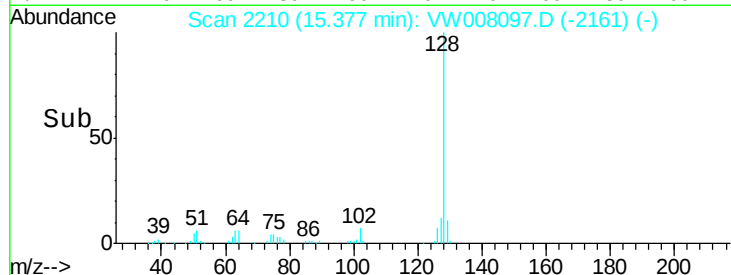
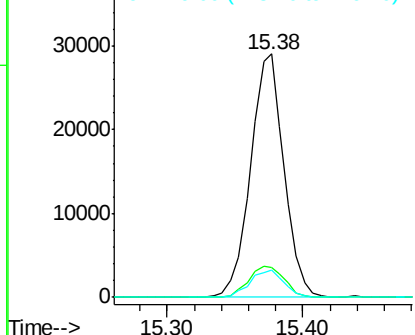
Tot Ion:	128	Resp:	49773
Ion Ratio	Lower	Upper	
128	100		
127	13.7	11.0	16.4
129	11.6	9.0	13.6

Manual Integrations
APPROVED

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1/10/2019 4:51:19 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.651 ug/l

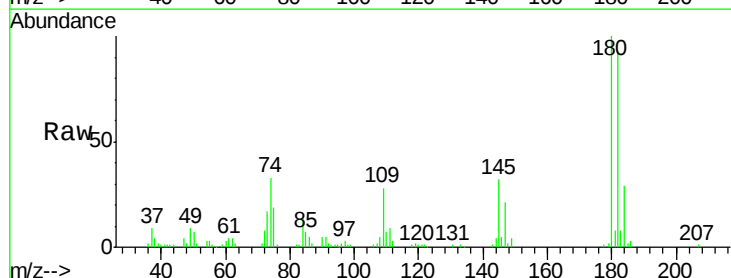
RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008097.D

Acq: 09 Jan 2019 12:37

Tgt Ion:	180	Resp:	24414
Ion Ratio	Lower	Upper	
180	100		
182	94.6	46.5	139.3
145	32.3	17.4	52.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

