

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008121.D
 Acq On : 10 Jan 2019 00:59
 Operator : SY/AP
 Sample : VW0109SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 5:06:19 PM

Quant Time: Jan 10 06:17:34 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	69891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42793	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	7.88	113	39848	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
50) Toluene-d8	10.32	98	162979	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.62	95	56987	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	9828	17.230	ug/l	98
3) Chloromethane	2.21	50	15060	20.351	ug/l	97
4) Vinyl Chloride	2.36	62	19019	19.692	ug/l	91
5) Bromomethane	2.78	94	16777	23.188	ug/l	98
6) Chloroethane	2.92	64	13522	18.606	ug/l	100
7) Trichlorofluoromethane	3.25	101	13390	17.053	ug/l	97
8) Diethyl Ether	3.68	74	9987	22.499	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	15048	19.303	ug/l	96
10) Methyl Iodide	4.26	142	23290	20.498	ug/l	99
11) Tert butyl alcohol	5.20	59	5912	107.329	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	15211	19.874	ug/l	93
13) Acrolein	3.89	56	4470	84.484	ug/l	96
14) Allyl chloride	4.67	41	29057	20.910	ug/l	99
15) Acrylonitrile	5.37	53	20776	122.938	ug/l	100
16) Acetone	4.13	43	15544	97.158	ug/l	100
17) Carbon Disulfide	4.38	76	46943	19.633	ug/l	97
18) Methyl Acetate	4.67	43	11828	23.824	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	27139	21.811	ug/l #	87
20) Methylene Chloride	4.91	84	28640	35.652	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	17527	21.072	ug/l	92
22) Diisopropyl ether	6.32	45	58210	21.964	ug/l	98
23) Vinyl Acetate	6.26	43	159370	114.497	ug/l	99
24) 1,1-Dichloroethane	6.21	63	33115	21.445	ug/l	97
25) 2-Butanone	7.17	43	24231	110.869	ug/l	93
26) 2,2-Dichloropropane	7.17	77	19940	19.058	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	19176	21.131	ug/l	98
28) Bromochloromethane	7.51	49	13825	22.635	ug/l	99
29) Tetrahydrofuran	7.53	42	17124	117.294	ug/l	98
30) Chloroform	7.67	83	32520	22.125	ug/l	95
31) Cyclohexane	7.95	56	30823	18.646	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	25821	20.189	ug/l	98
36) 1,1-Dichloropropene	8.08	75	25714	19.931	ug/l	98
37) Ethyl Acetate	7.26	43	12699	24.569	ug/l	99
38) Carbon Tetrachloride	8.07	117	23853	20.200	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29919	18.289	ug/l	94
40) Benzene	8.32	78	75011	21.436	ug/l	99
41) Methacrylonitrile	7.49	41	7043	21.571	ug/l	99
42) 1,2-Dichloroethane	8.40	62	21563	21.909	ug/l	98
43) Isopropyl Acetate	8.42	43	23964	23.189	ug/l	99
44) Trichloroethene	9.09	130	18576	20.737	ug/l	96
45) 1,2-Dichloropropane	9.37	63	19363	22.316	ug/l	97
46) Dibromomethane	9.46	93	9662	22.674	ug/l	98
47) Bromodichloromethane	9.64	83	23566	21.780	ug/l	95
48) Methyl methacrylate	9.44	41	11402	23.382	ug/l	98
49) 1,4-Dioxane	9.46	88	2954	431.067	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	58165	116.274	ug/l	97
52) Toluene	10.39	92	47023	21.041	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	23127	20.549	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	27466	20.580	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13763	23.005	ug/l	96
56) Ethyl methacrylate	10.65	69	16435	22.182	ug/l	96
57) 1,3-Dichloropropane	10.93	76	23858	21.805	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	45389	118.598	ug/l	99
59) 2-Hexanone	10.97	43	38022	112.396	ug/l	98
60) Dibromochloromethane	11.13	129	14904	22.686	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12825	22.592	ug/l	100
64) Tetrachloroethene	10.86	164	14912	19.920	ug/l	95
65) Chlorobenzene	11.66	112	50469	20.710	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15927	20.094	ug/l	95
67) Ethyl Benzene	11.73	91	88842	19.924	ug/l	96
68) m/p-Xylenes	11.84	106	68697	40.364	ug/l	98
69) o-Xylene	12.17	106	31578	20.036	ug/l	98
70) Styrene	12.18	104	51964	21.050	ug/l	99
71) Bromoform	12.35	173	7783	21.940	ug/l #	92
73) Isopropylbenzene	12.47	105	85225	19.258	ug/l	100
74) N-amyl acetate	12.27	43	20939	21.366	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	15744	22.227	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13577m	26.422	ug/l	
77) Bromobenzene	12.75	156	19444	20.794	ug/l	94
78) n-propylbenzene	12.80	91	106021	19.553	ug/l	100
79) 2-Chlorotoluene	12.90	91	59091	19.533	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	71930	19.780	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4557	20.652	ug/l	95
82) 4-Chlorotoluene	12.99	91	60610	19.023	ug/l	96
83) tert-Butylbenzene	13.21	119	63873	19.853	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	73725	19.657	ug/l	99
85) sec-Butylbenzene	13.39	105	92784	19.688	ug/l	99
86) p-Isopropyltoluene	13.51	119	79401	19.511	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	39491	20.820	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	39286	20.643	ug/l	100
89) n-Butylbenzene	13.83	91	76172	19.111	ug/l	99
90) Hexachloroethane	14.10	117	13920	20.251	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	35050	21.026	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2593	22.747	ug/l	94

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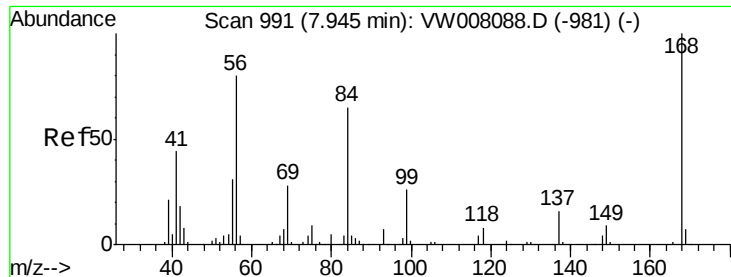
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21370	19.309	ug/l	99
94) Hexachlorobutadiene	15.24	225	11848	20.001	ug/l	97
95) Naphthalene	15.37	128	42515	20.573	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	19596	20.770	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS02

Tot Ion:168 Resp: 69891

Ion Ratio Lower Upper

168 100

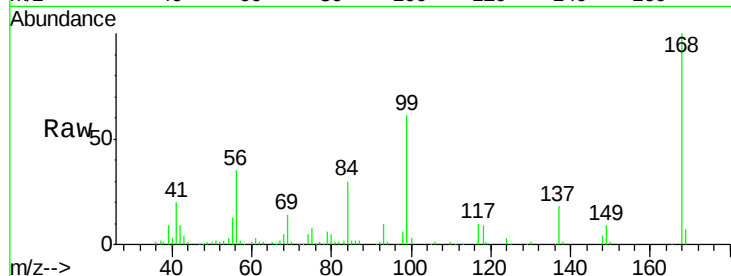
99 61.0 52.6 78.8

Manual Integrations

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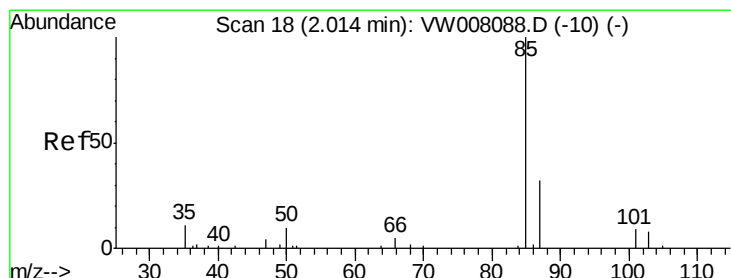
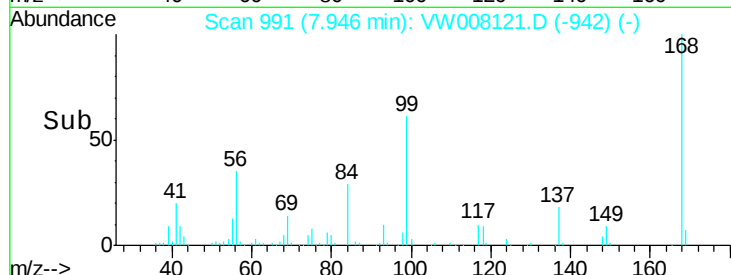
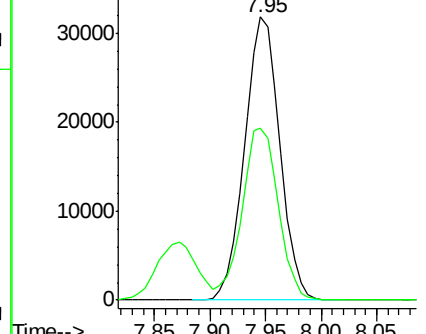
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.230 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008121.D

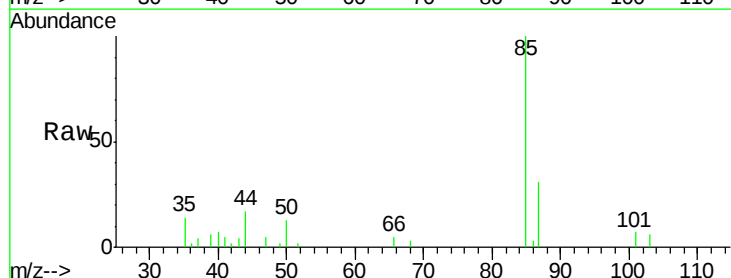
Acq: 10 Jan 2019 00:59

Tgt Ion: 85 Resp: 9828

Ion Ratio Lower Upper

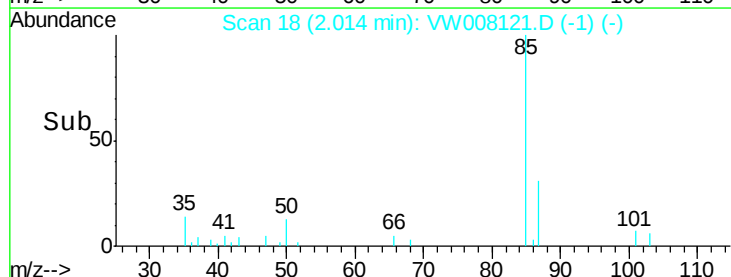
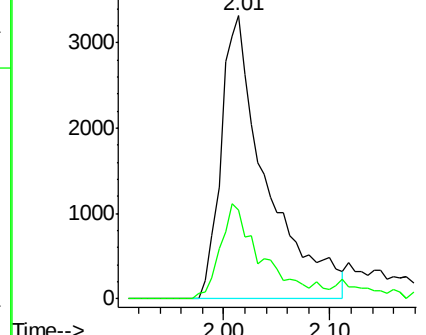
85 100

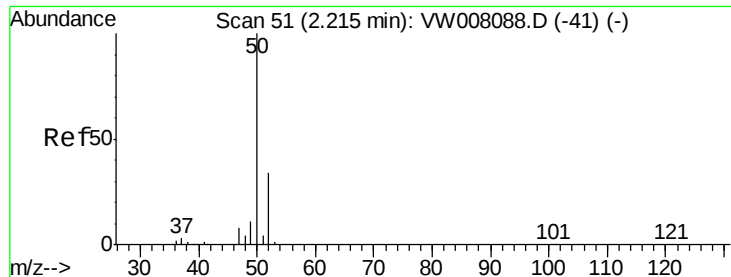
87 31.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.351 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS02

Tot Ion: 50 Resp: 15060

Ion Ratio Lower Upper

50 100

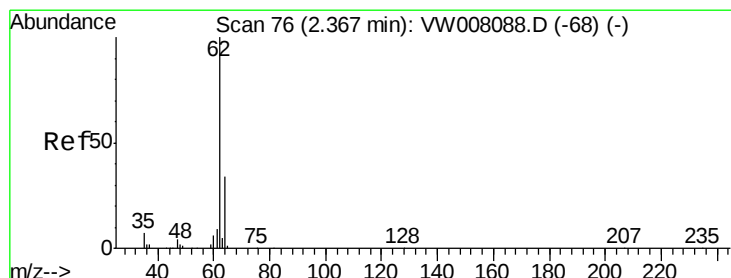
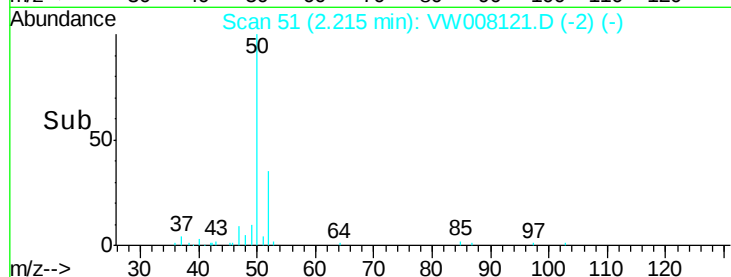
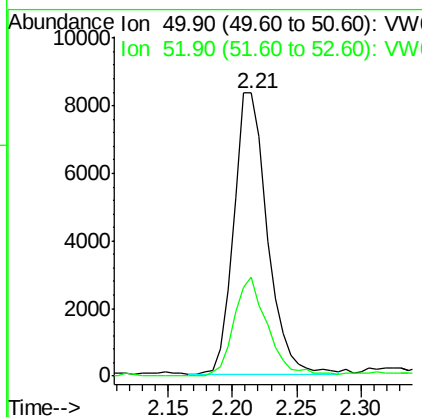
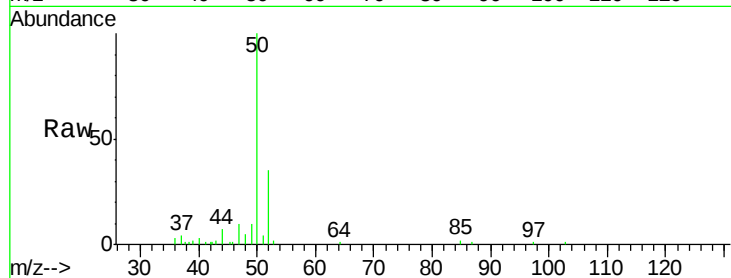
52 35.1 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.692 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008121.D

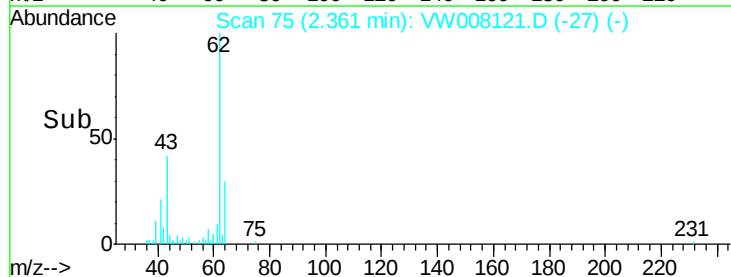
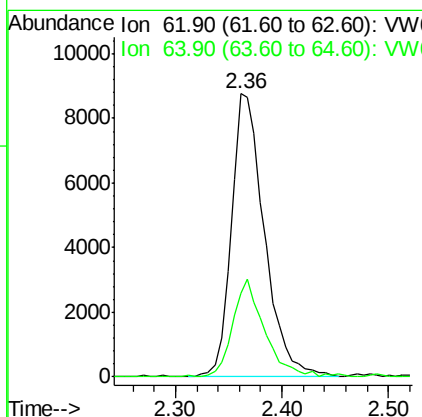
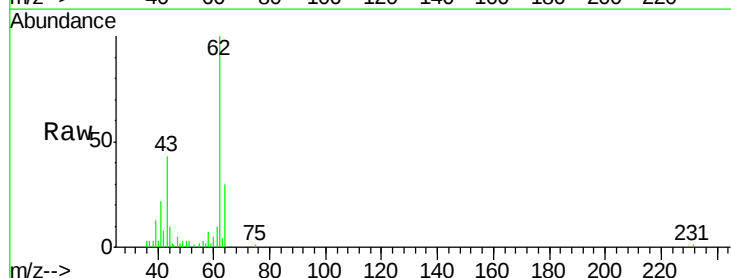
Acq: 10 Jan 2019 00:59

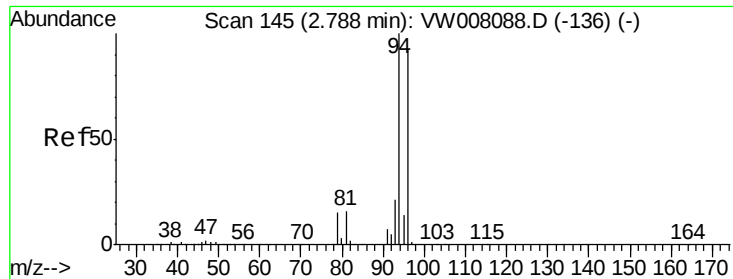
Tgt Ion: 62 Resp: 19019

Ion Ratio Lower Upper

62 100

64 28.9 27.0 40.6





#5

Bromomethane

Concen: 23.188 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

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ClientSampleId :

VW0109SBS02

Tot Ion: 94 Resp: 16777

Ion Ratio Lower Upper

94 100

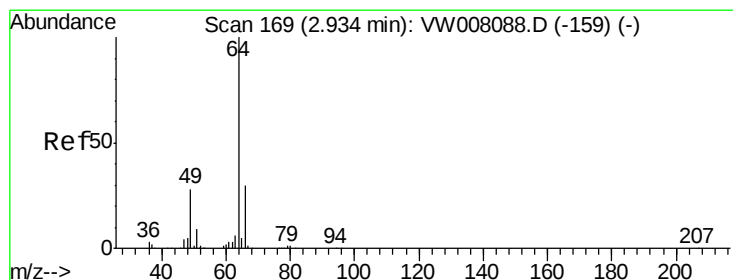
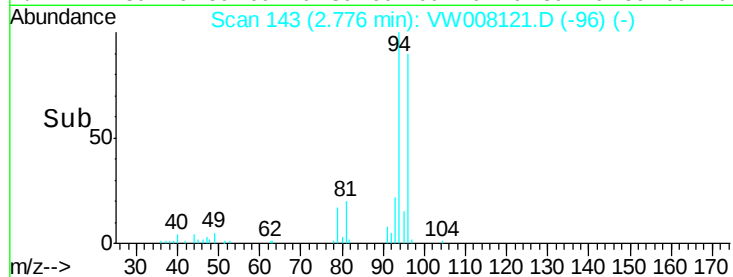
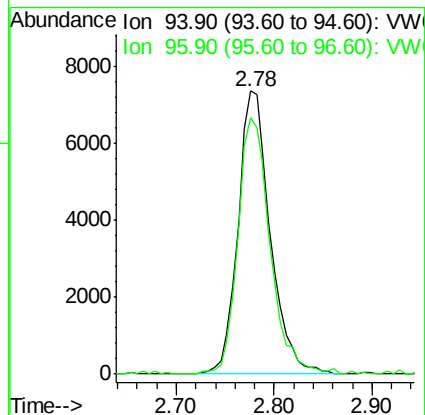
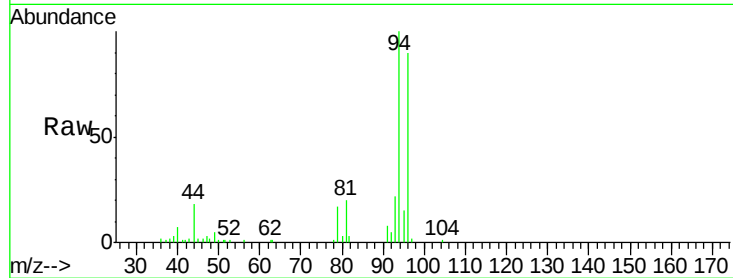
96 90.4 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 18.606 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008121.D

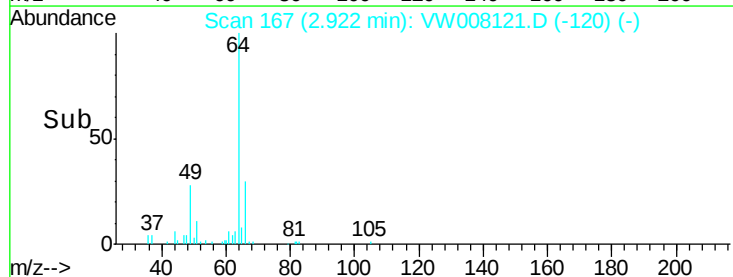
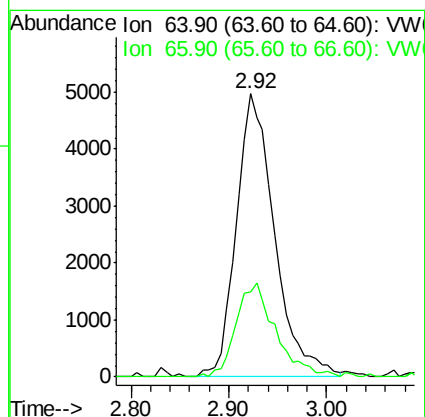
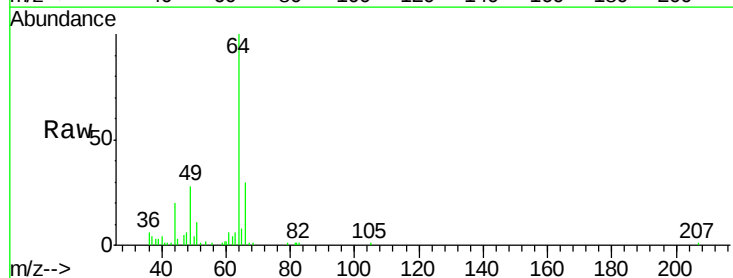
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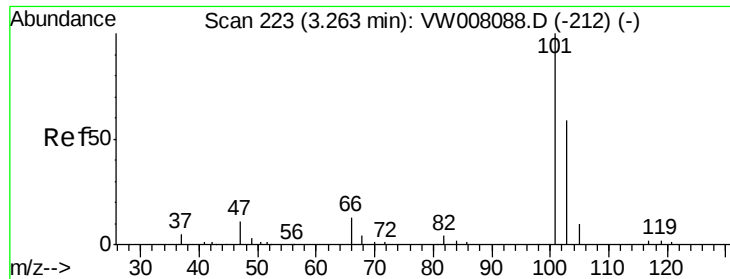
Tgt Ion: 64 Resp: 13522

Ion Ratio Lower Upper

64 100

66 30.0 24.2 36.2





#7

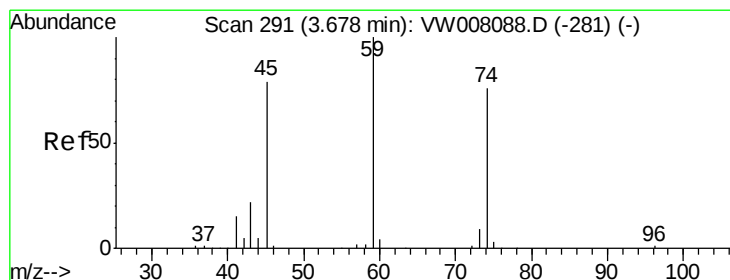
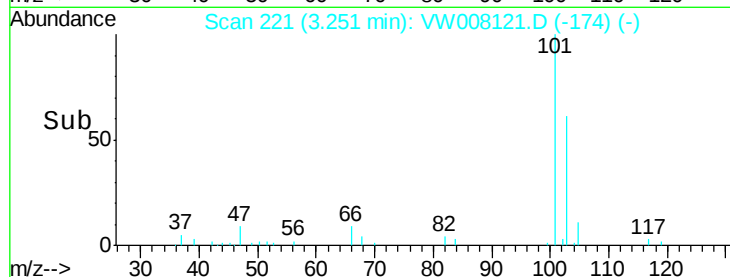
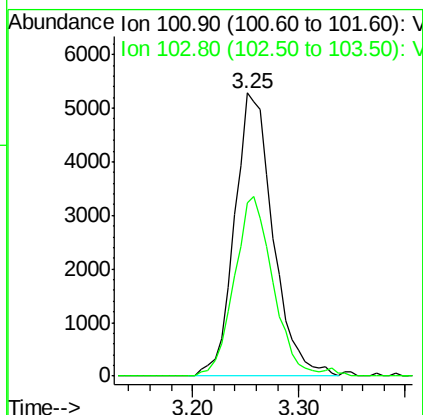
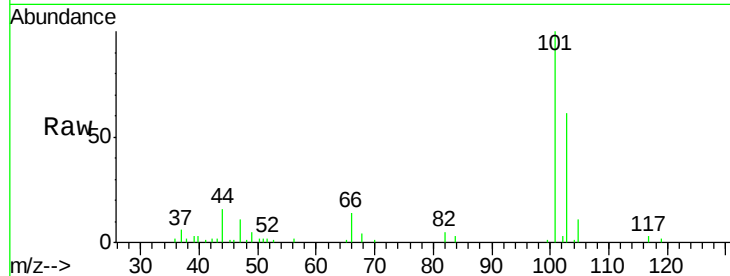
Trichlorofluoromethane
Concen: 17.053 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008121.D
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Tot Ion	101	Resp	13390
Ion Ratio	Lower	Upper	
101	100		
103	61.3	47.0	70.6

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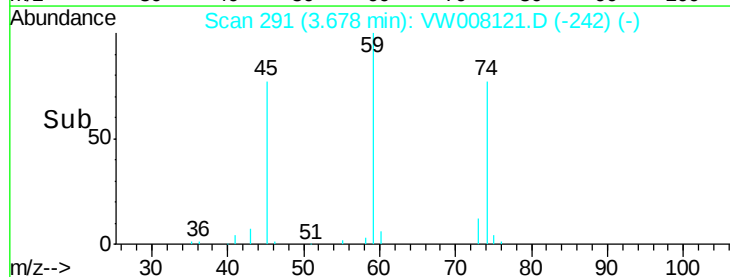
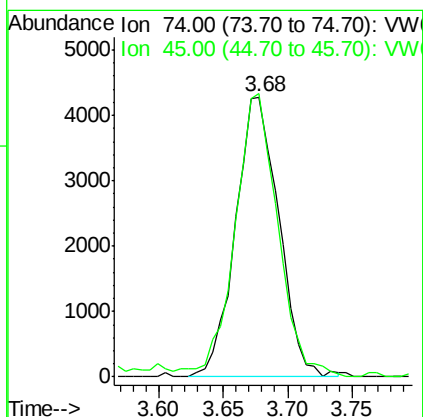
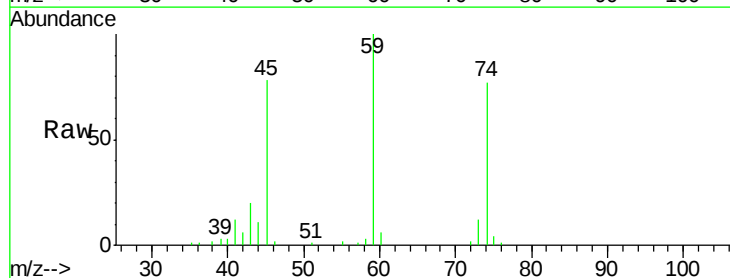
MMDadoda
1/10/2019 5:06:19 PM

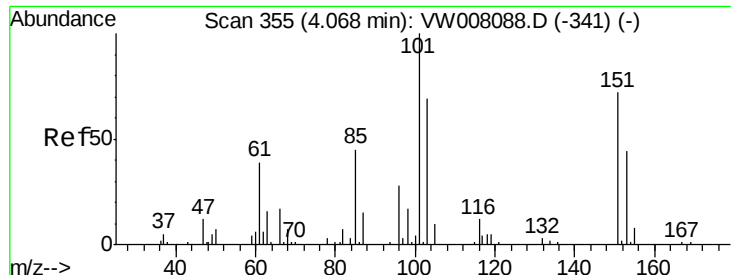


#8

Diethyl Ether
Concen: 22.499 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	74	Resp	9987
Ion Ratio	Lower	Upper	
74	100		
45	100.0	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.303 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

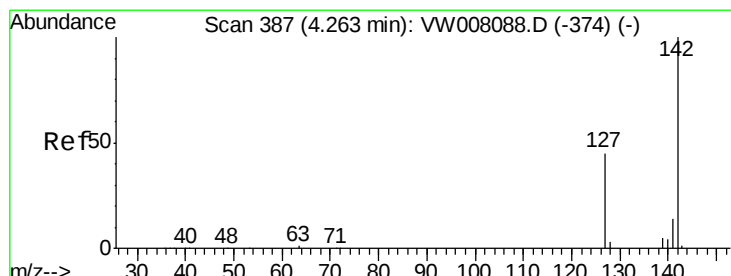
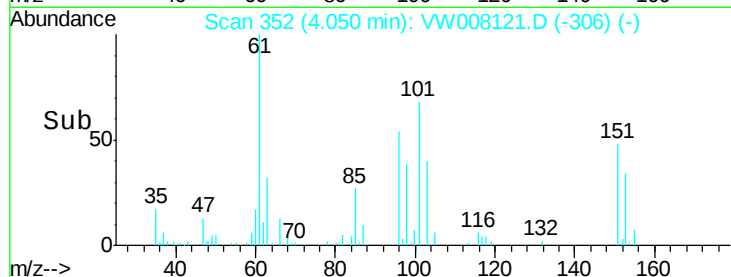
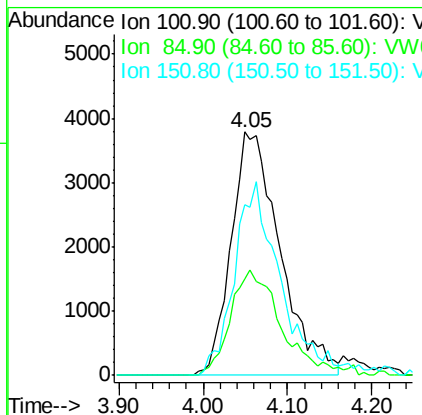
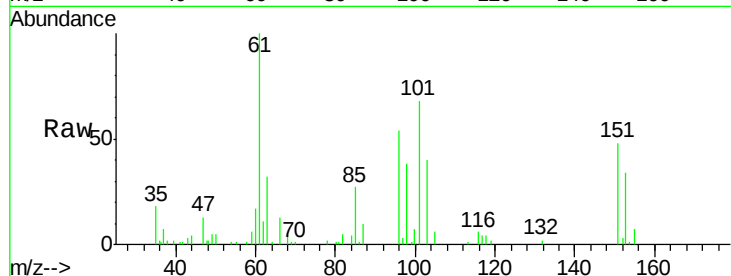
ClientSampleId :

VW0109SBS02

Tot Ion:	101	Resp:	15048
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.9	53.9
151	75.3	55.8	83.8

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#10

Methyl Iodide

Concen: 20.498 ug/l

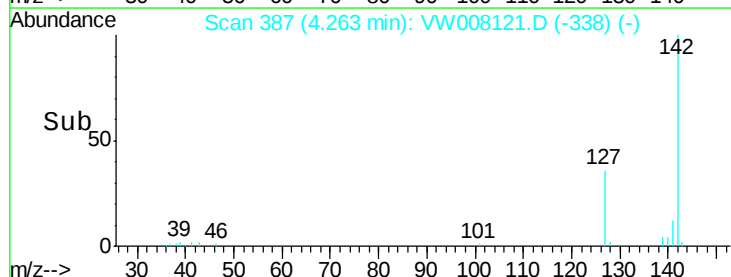
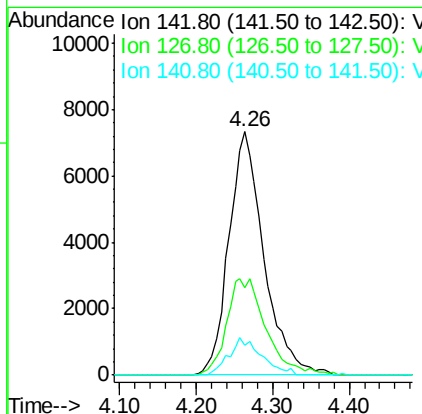
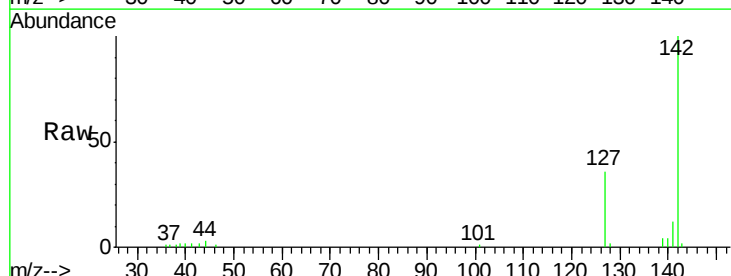
RT: 4.26 min Scan# 387

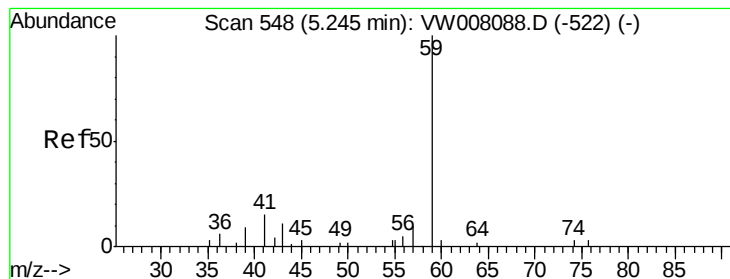
Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Tgt Ion:	142	Resp:	23290
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.0	52.4
141	14.4	11.8	17.6





#11

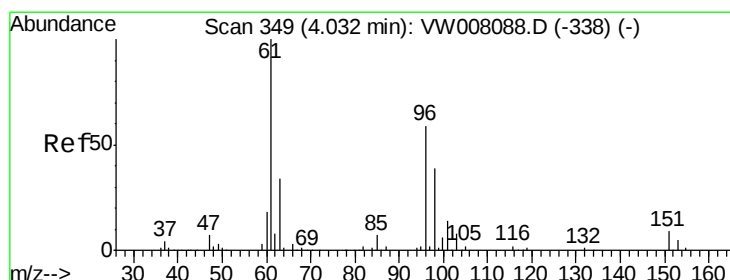
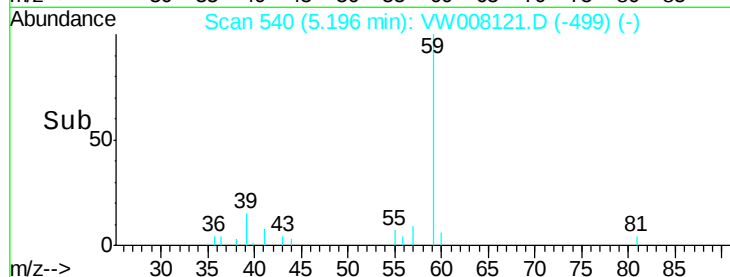
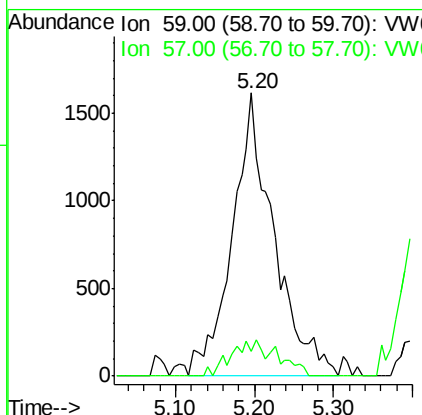
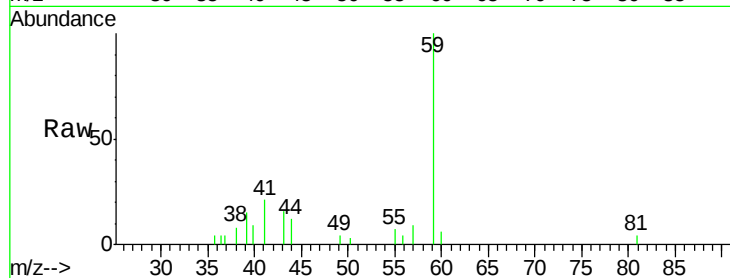
Tert butyl alcohol
 Concen: 107.329 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. -0.05 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	5912		
57	9.5		0.0	0.0#

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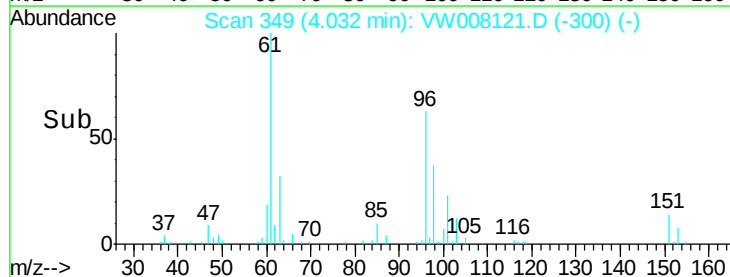
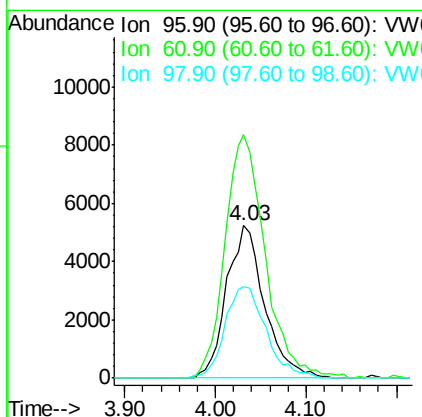
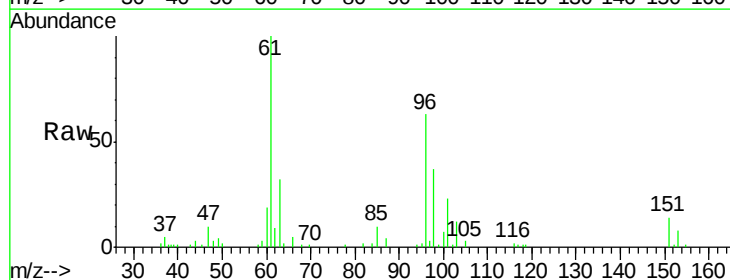
MMDadoda
 1/10/2019 5:06:19 PM

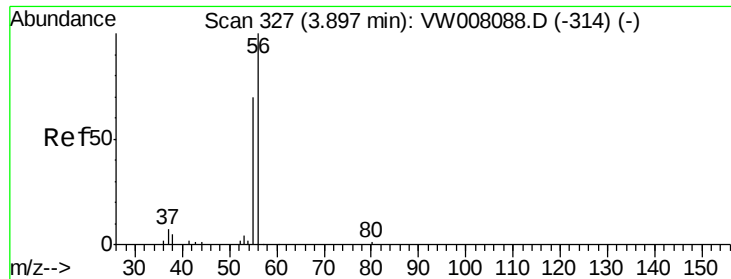


#12

1,1-Dichloroethene
 Concen: 19.874 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	15211		
61	159.5		135.4	203.2
98	59.8		52.5	78.7





#13

Acrolein

Concen: 84.484 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS02

Tot Ion: 56 Resp: 4470

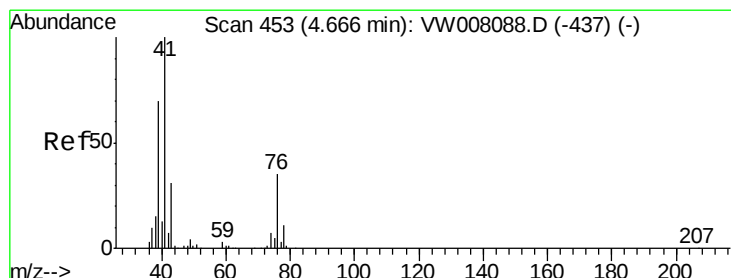
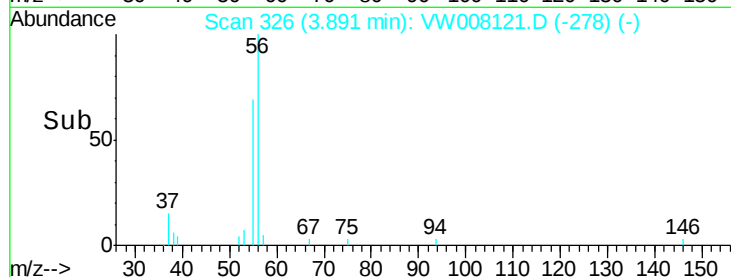
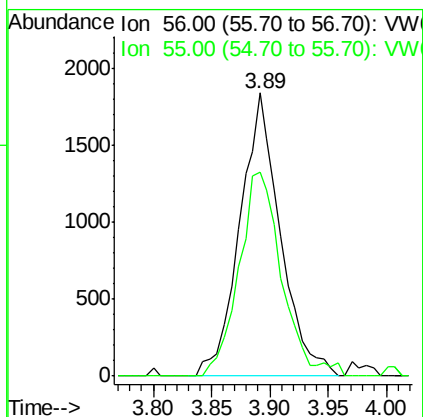
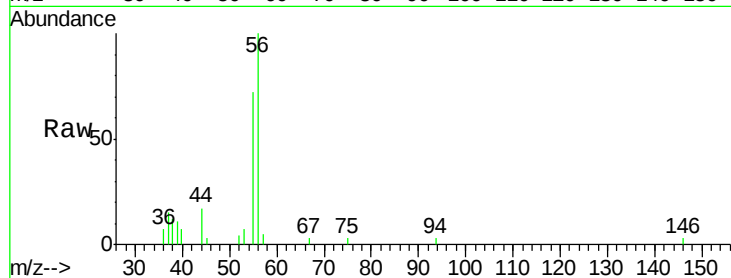
Ion Ratio Lower Upper

56 100

55 74.2 56.6 84.8

Manual Integrations
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#14

Allyl chloride

Concen: 20.910 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

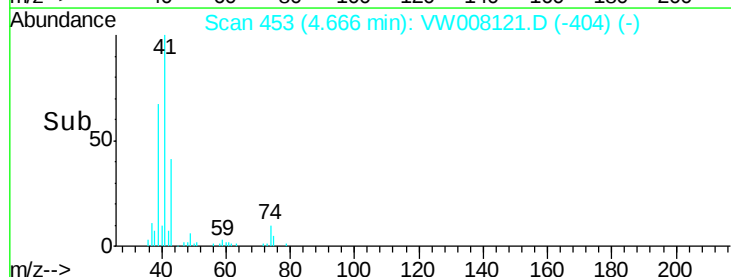
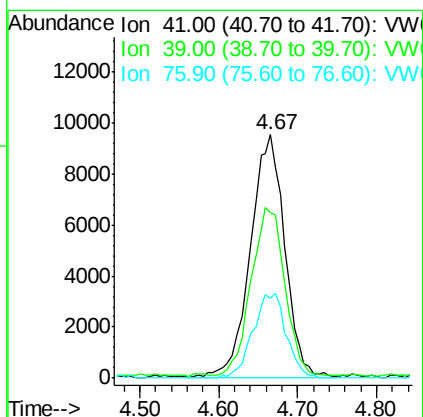
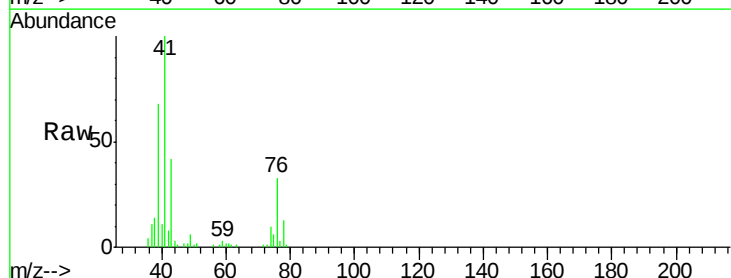
Tgt Ion: 41 Resp: 29057

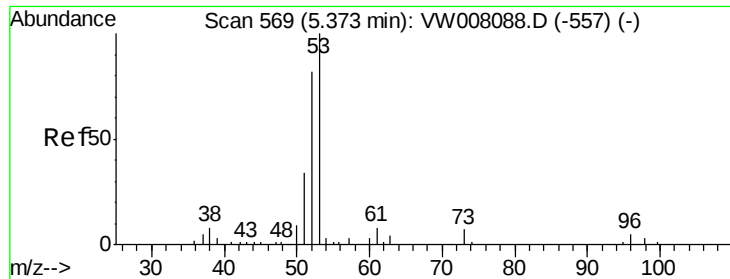
Ion Ratio Lower Upper

41 100

39 67.2 53.8 80.8

76 33.5 27.6 41.4





#15

Acrylonitrile

Concen: 122.938 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

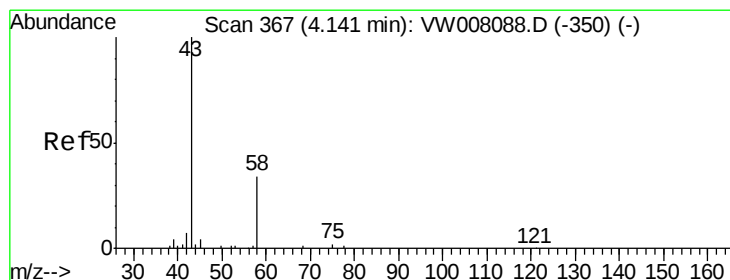
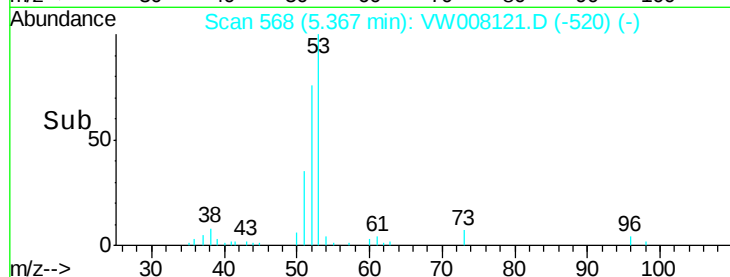
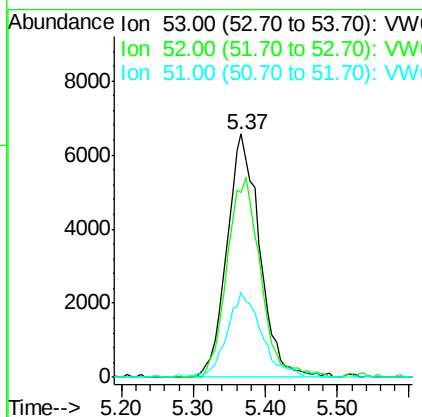
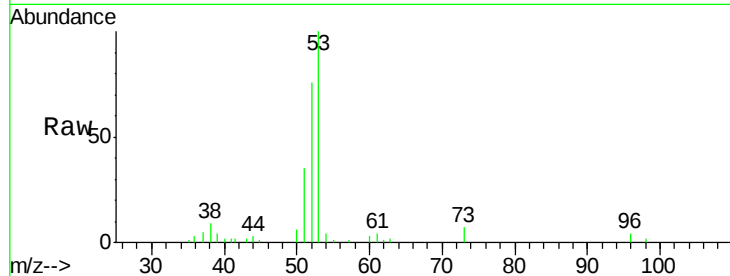
ClientSampleId :

VW0109SBS02

Tot Ion:	53	Resp:	20776
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.8	100.2
51	36.9	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 97.158 ug/l

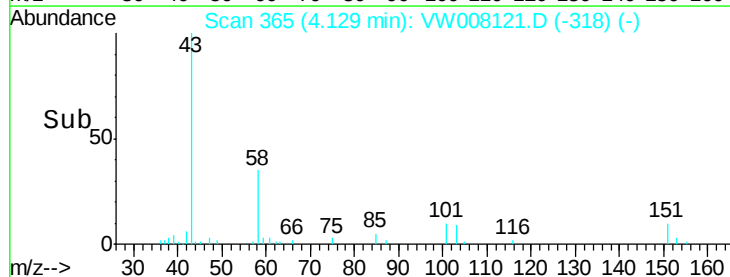
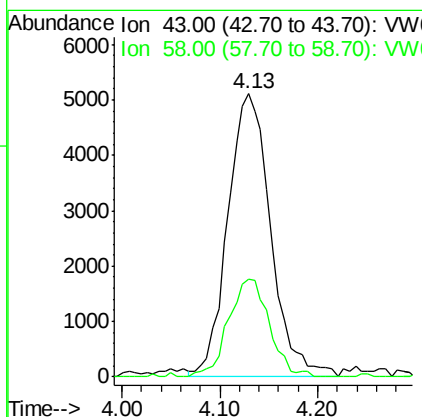
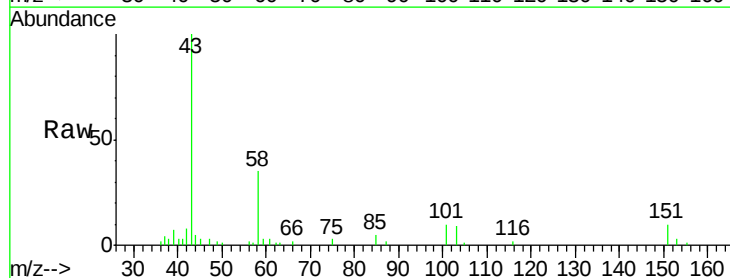
RT: 4.13 min Scan# 365

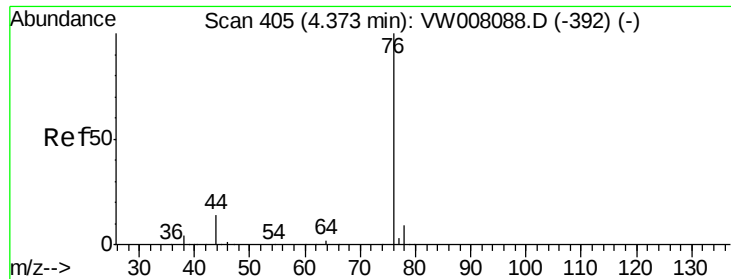
Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Tgt Ion:	43	Resp:	15544
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.5	41.3





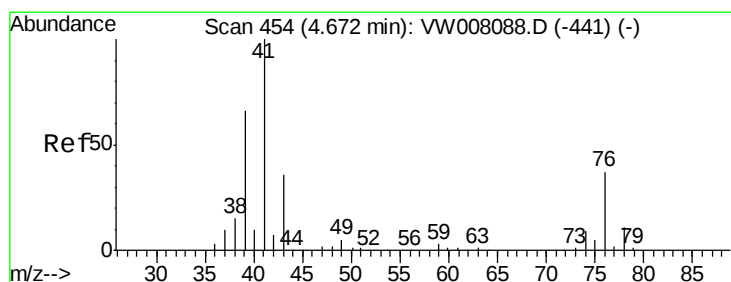
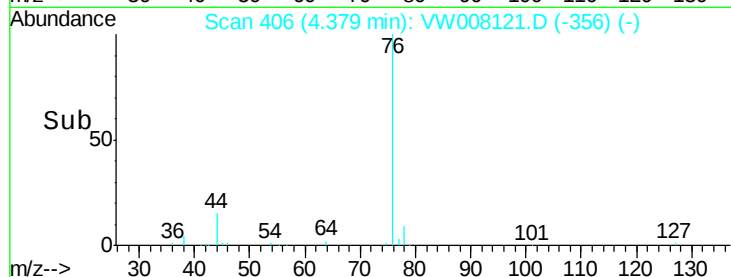
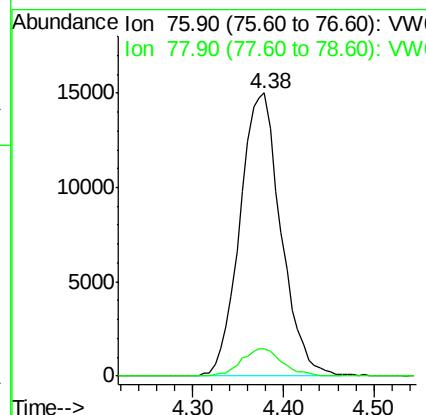
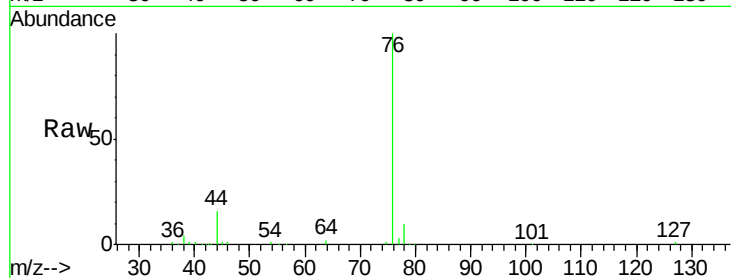
#17
Carbon Disulfide
Concen: 19.633 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

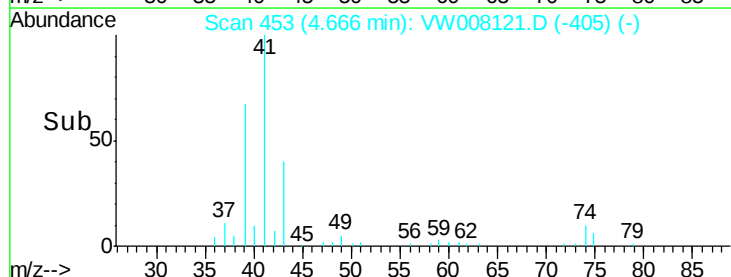
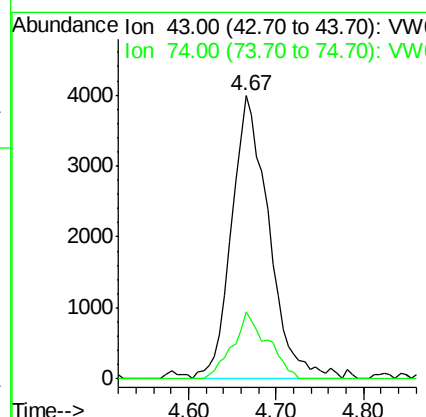
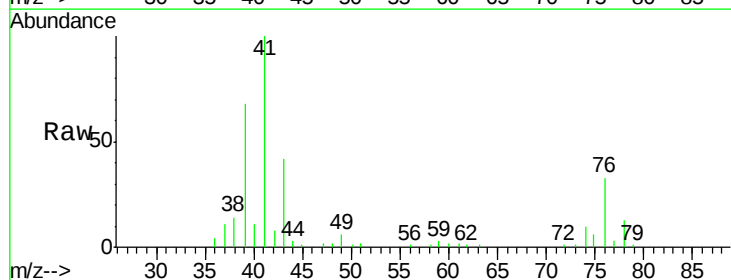
Manual Integrations
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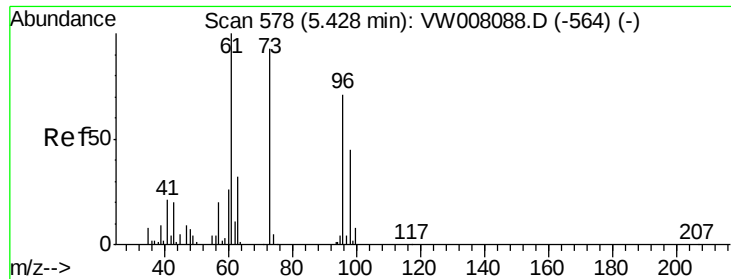
MMDadoda
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#18
Methyl Acetate
Concen: 23.824 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	19.0	28.4





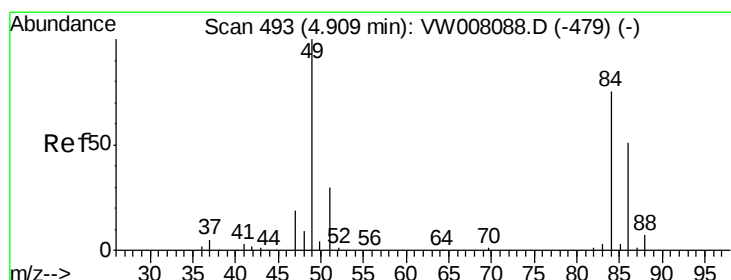
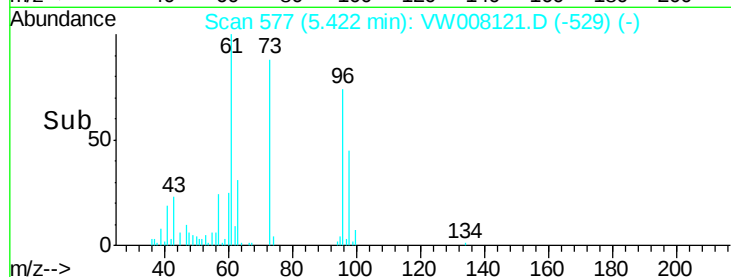
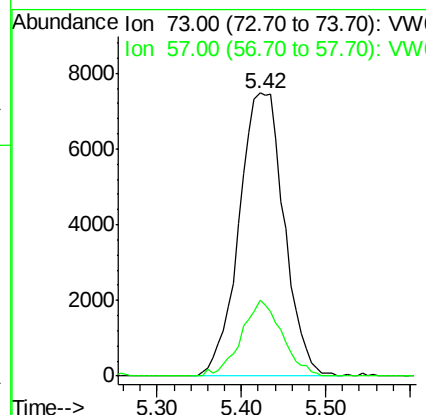
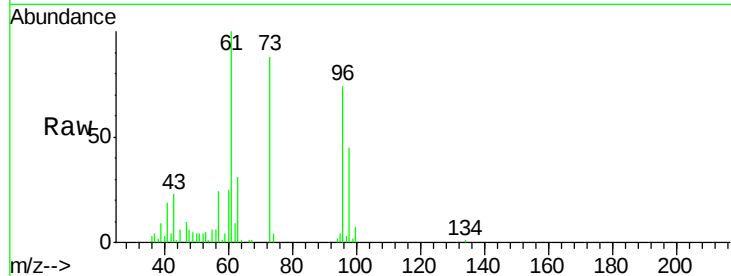
#19
Methyl tert-butyl Ether
Concen: 21.811 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion: 73 Resp: 27139
Ion Ratio Lower Upper
73 100
57 27.1 16.7 25.1#

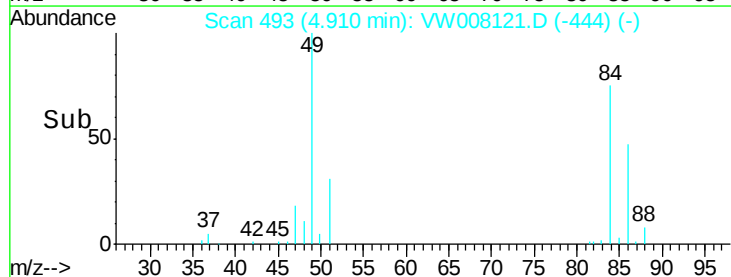
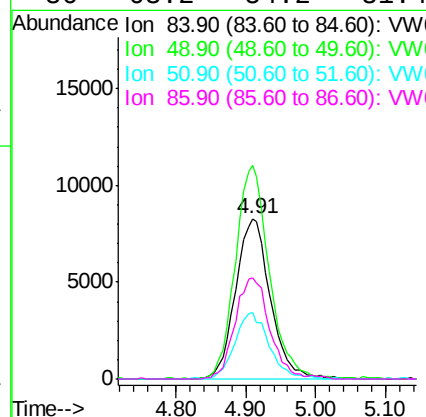
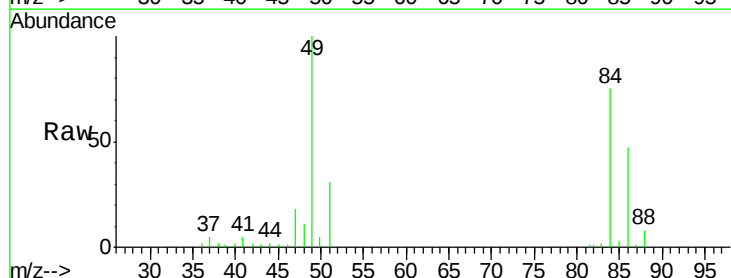
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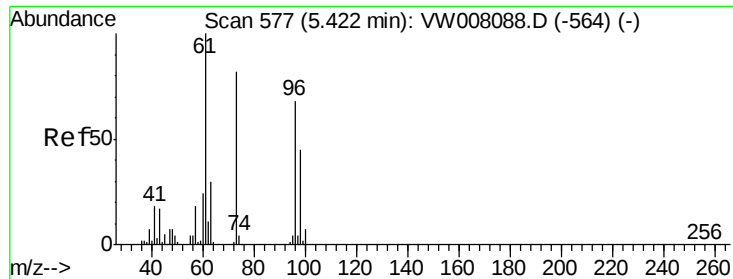
MMDadoda
1/10/2019 5:06:19 PM



#20
Methylene Chloride
Concen: 35.652 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion: 84 Resp: 28640
Ion Ratio Lower Upper
84 100
49 133.5 107.1 160.7
51 41.8 32.4 48.6
86 63.2 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 21.072 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

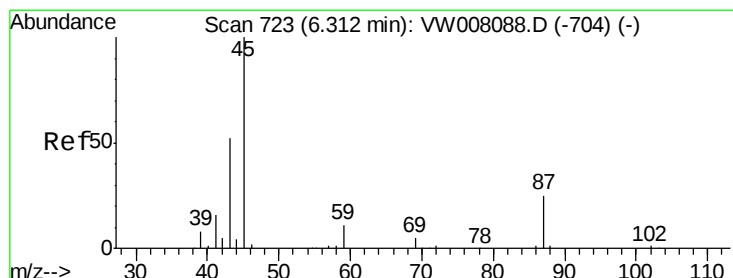
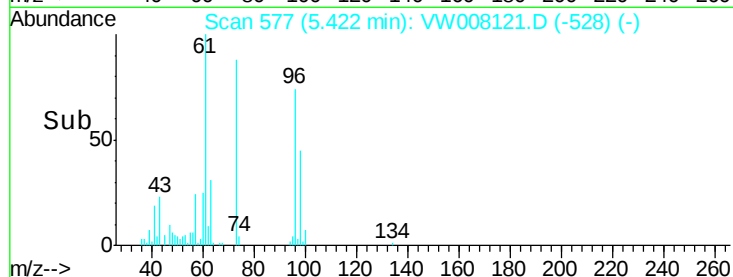
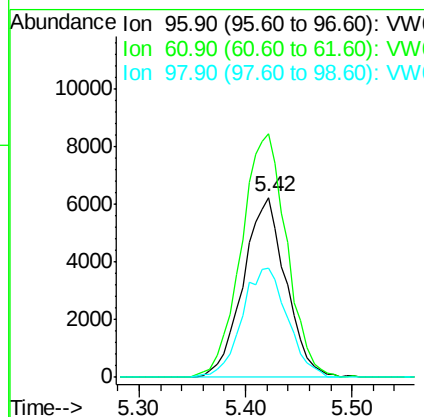
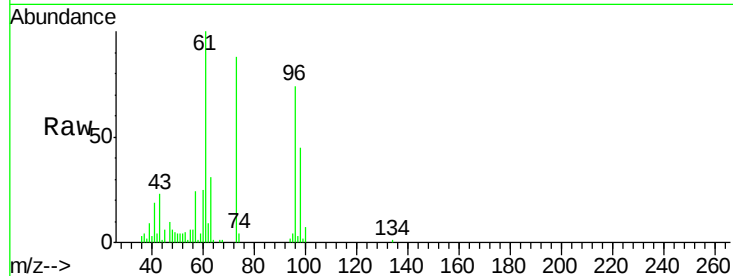
ClientSampleId :

VW0109SBS02

Tot Ion:	96	Resp:	17527
Ion	Ratio	Lower	Upper
96	100		
61	135.3	117.4	176.0
98	60.8	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.964 ug/l

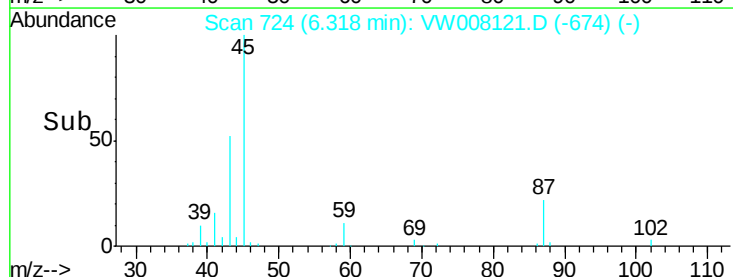
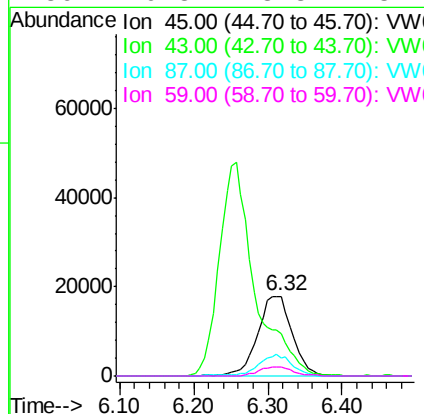
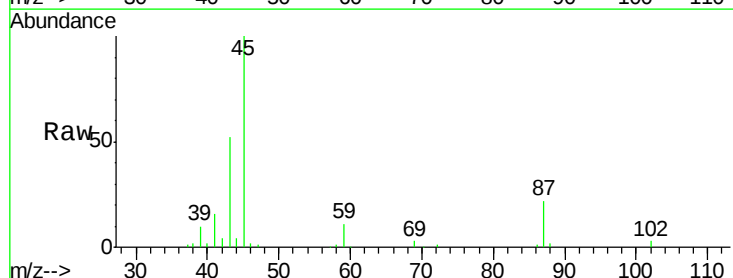
RT: 6.32 min Scan# 724

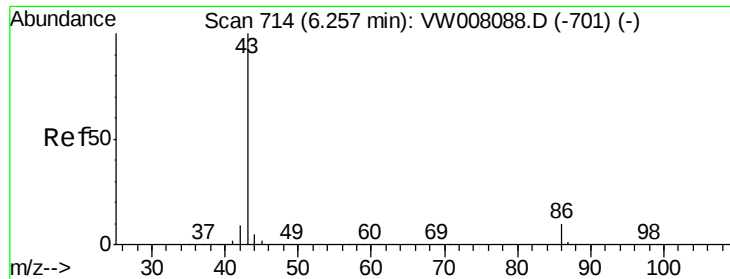
Delta R.T. 0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Tgt Ion:	45	Resp:	58210
Ion	Ratio	Lower	Upper
45	100		
43	51.1	41.7	62.5
87	22.3	20.1	30.1
59	10.8	8.8	13.2





#23

Vinyl Acetate

Concen: 114.497 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleID :

VW0109SBS02

Tot Ion: 43 Resp: 159370

Ion Ratio Lower Upper

43 100

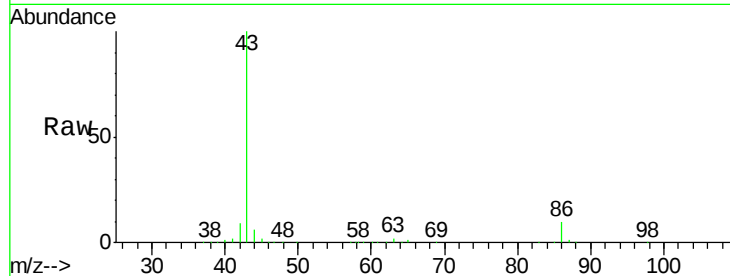
86 10.0 7.7 11.5

Manual Integrations

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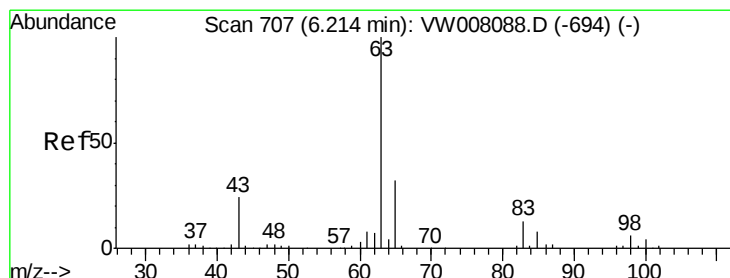
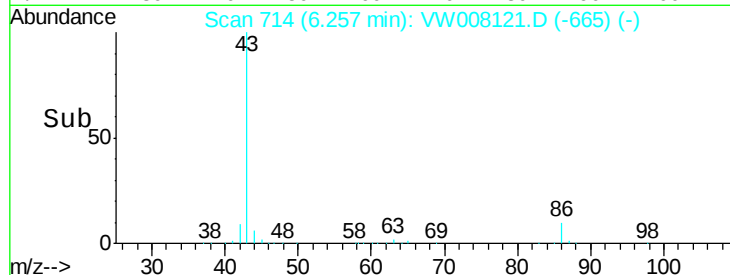
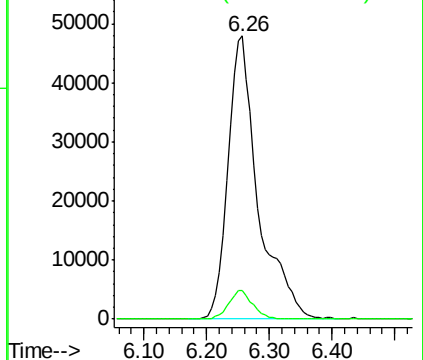
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.445 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

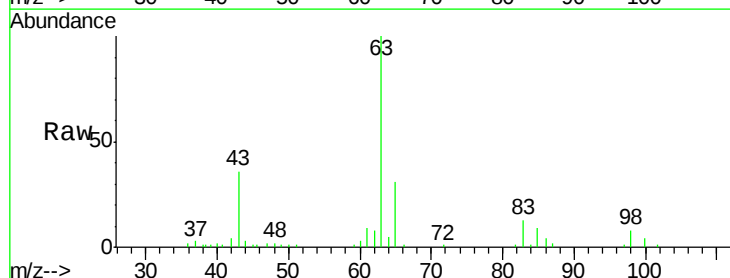
Tgt Ion: 63 Resp: 33115

Ion Ratio Lower Upper

63 100

98 7.9 3.2 9.6

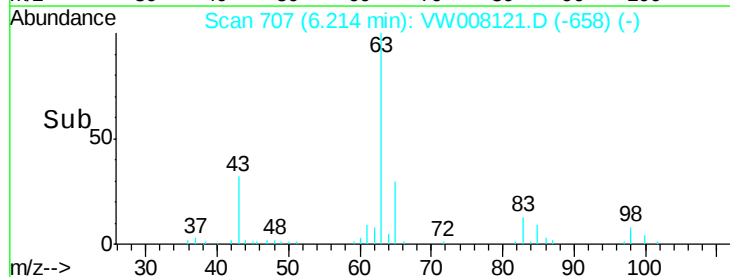
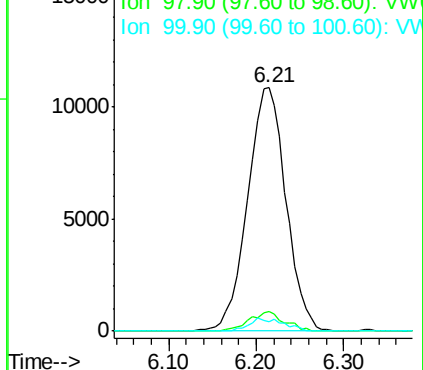
100 4.0 2.0 6.0

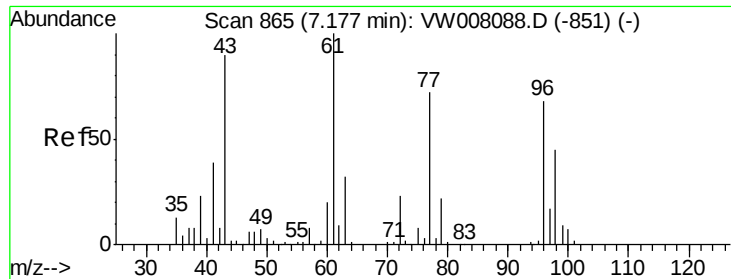


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 110.869 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS02

Tot Ion: 43 Resp: 24231

Ion Ratio Lower Upper

43 100

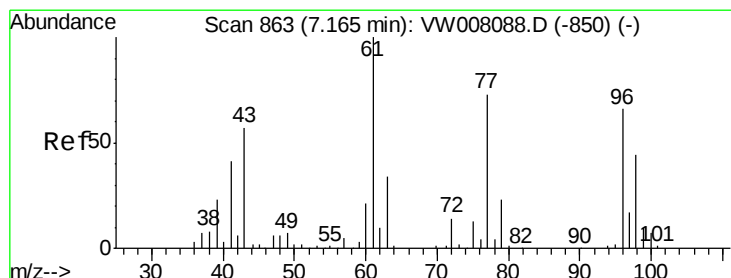
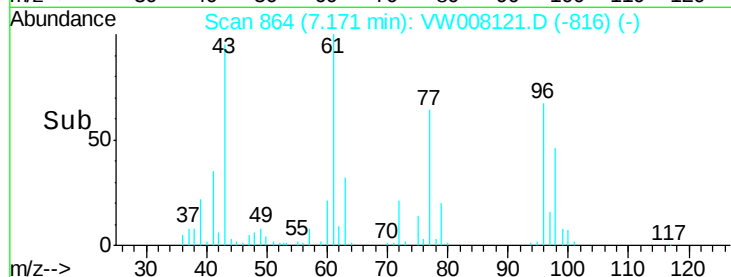
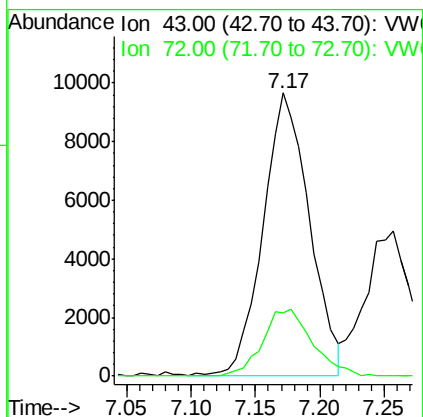
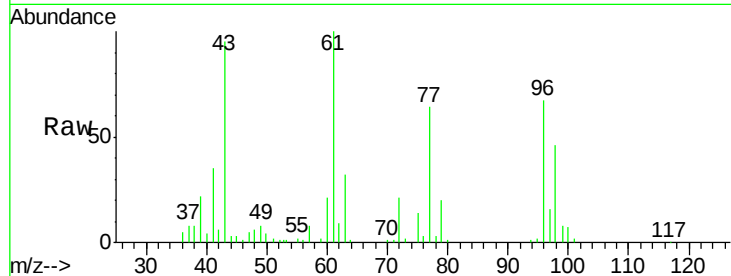
72 22.3 20.5 30.7

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.058 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008121.D

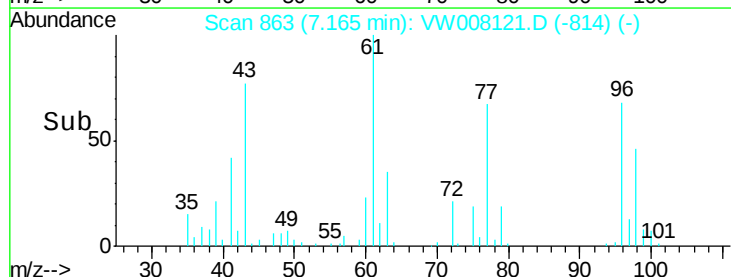
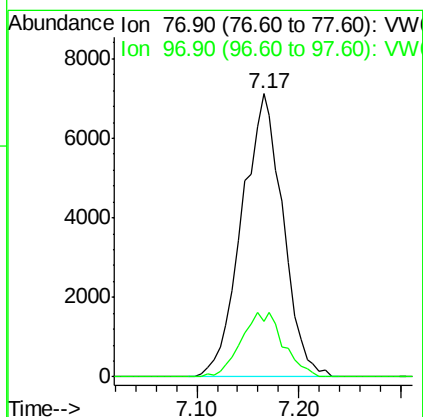
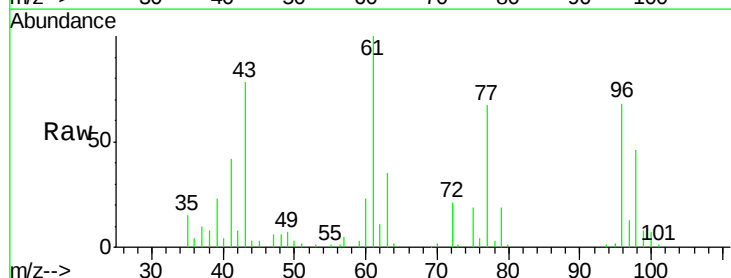
Acq: 10 Jan 2019 00:59

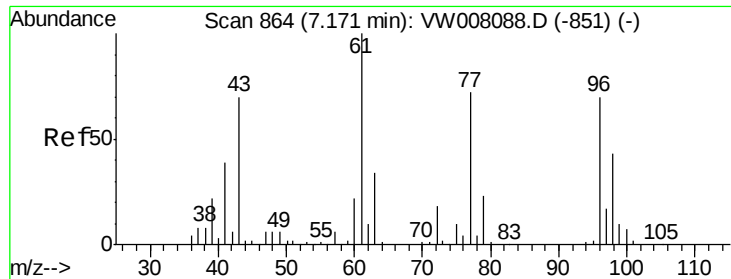
Tgt Ion: 77 Resp: 19940

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 21.131 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

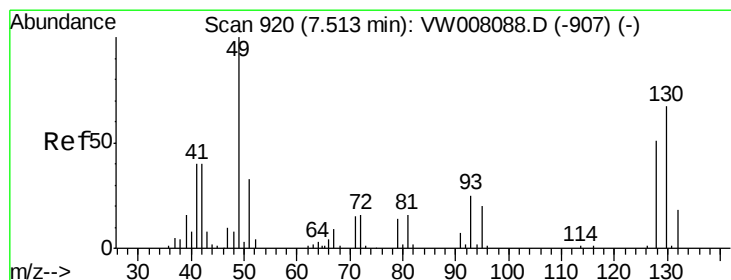
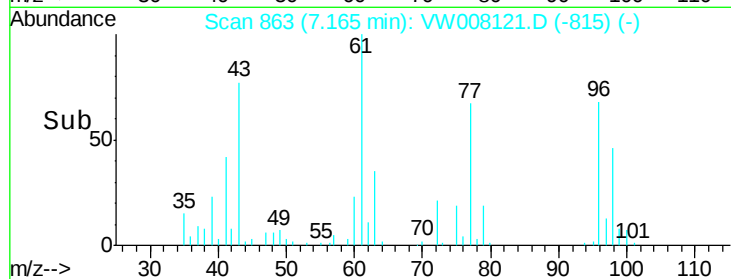
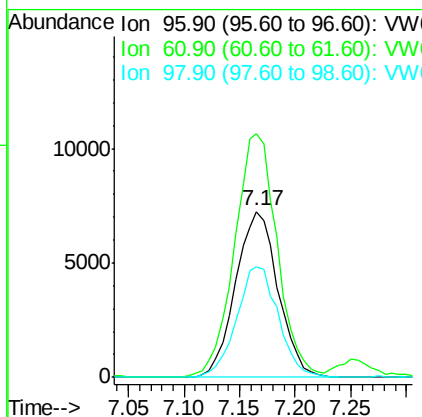
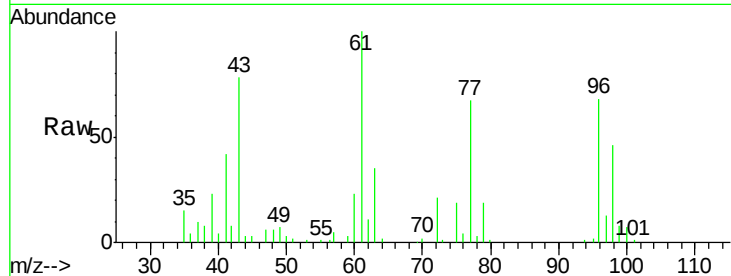
ClientSampleId :

VW0109SBS02

Tot Ion:	96	Resp:	19176
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	300.4
98	65.9	0.0	128.4

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#28

Bromochloromethane

Concen: 22.635 ug/l

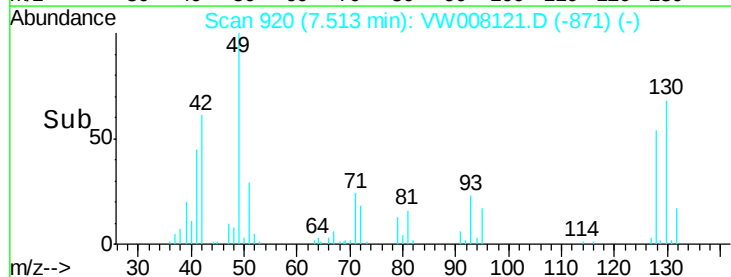
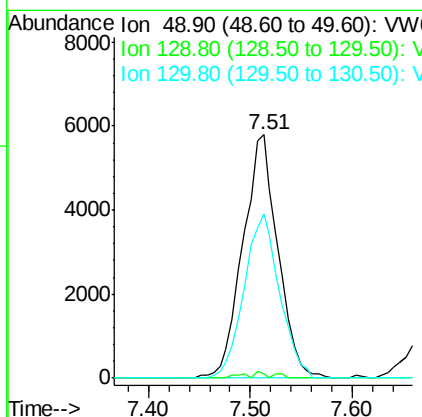
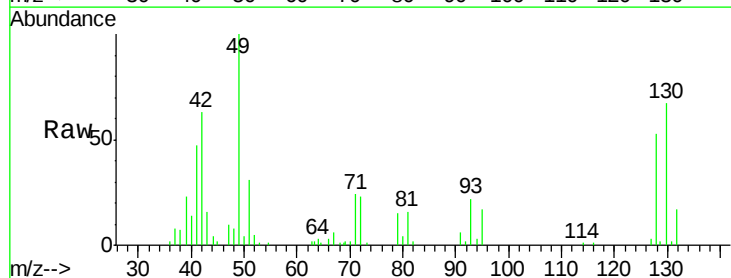
RT: 7.51 min Scan# 920

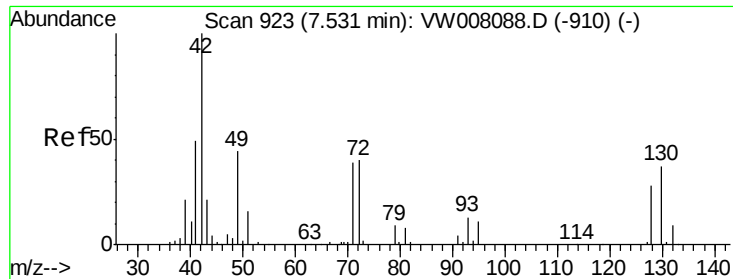
Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Tgt Ion:	49	Resp:	13825
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.8
130	68.4	54.3	81.5





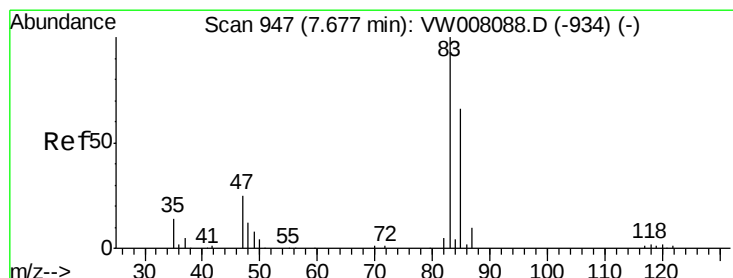
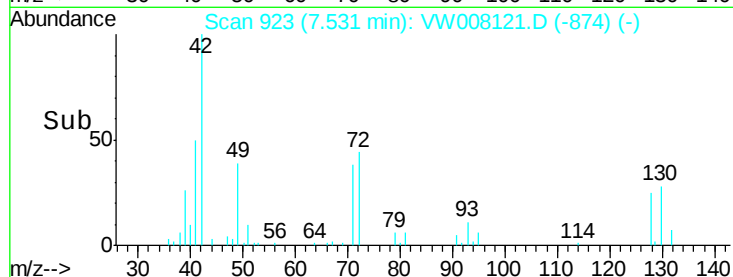
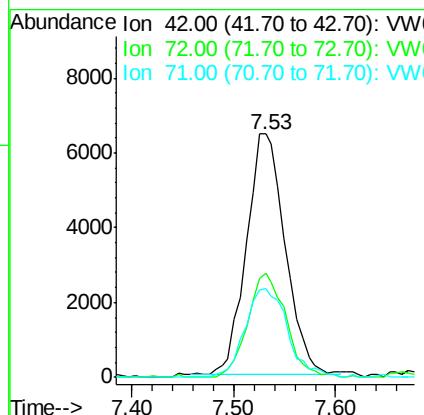
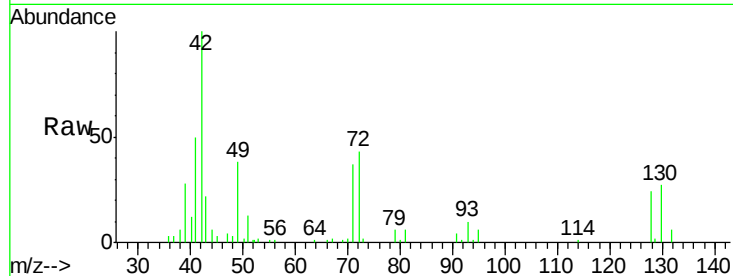
#29
Tetrahydrofuran
Concen: 117.294 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	32.4	48.6
71	40.1	31.3	46.9

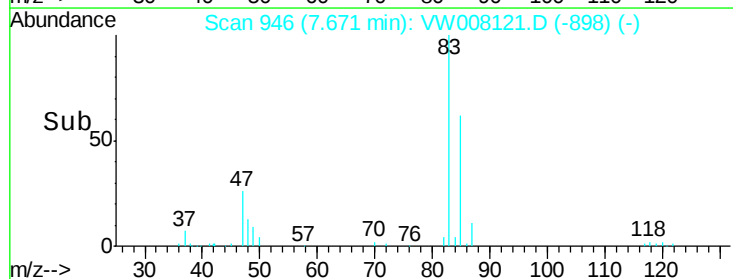
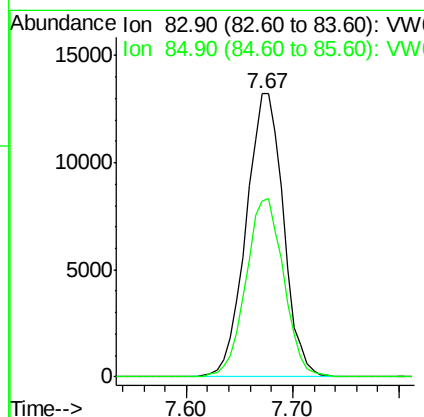
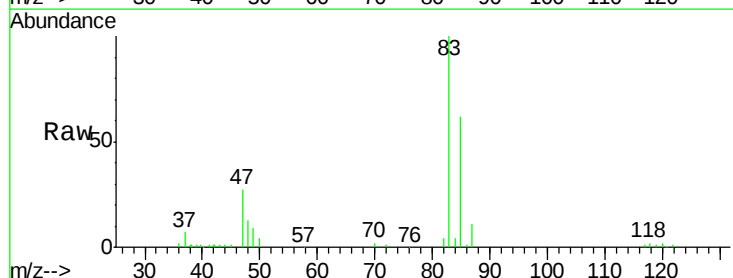
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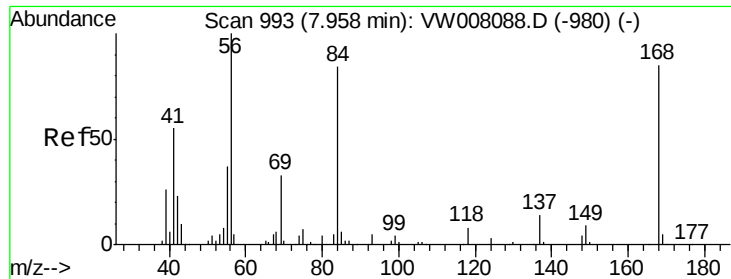
MMDadoda
1/10/2019 5:06:19 PM



#30
Chloroform
Concen: 22.125 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.2	79.8





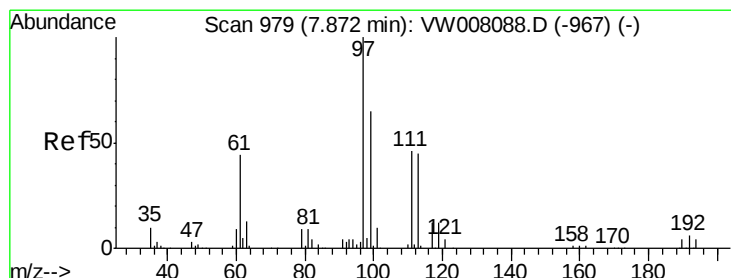
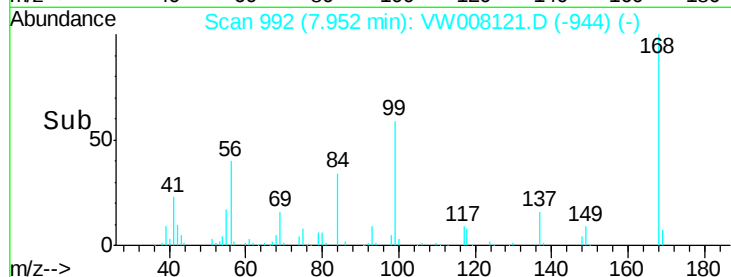
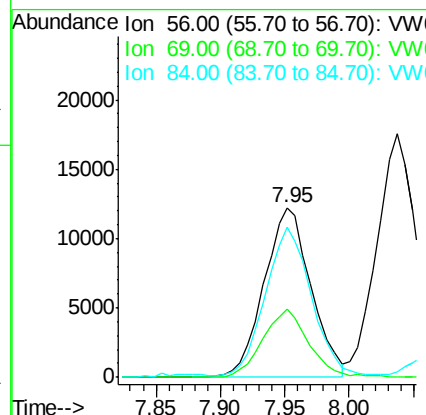
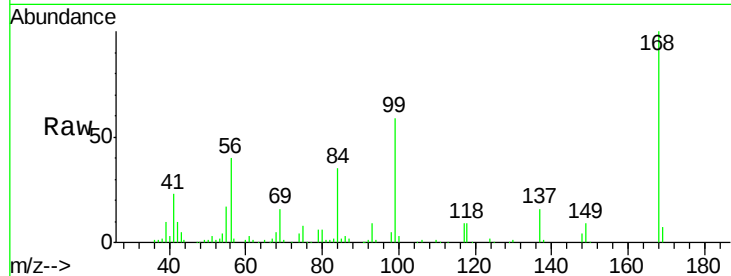
#31
Cyclohexane
Concen: 18.646 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	26.2	39.4#
84	87.0	67.4	101.2

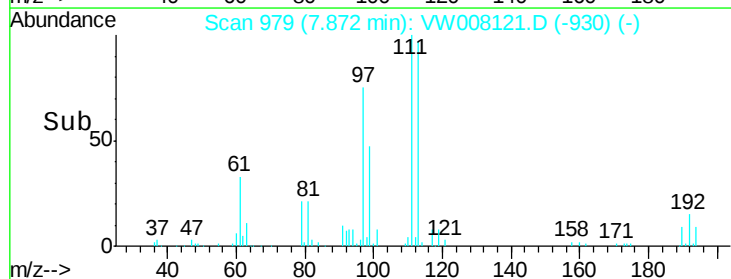
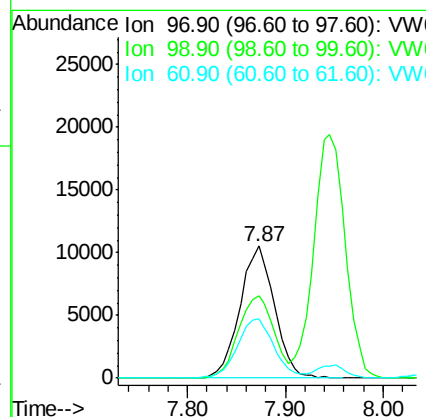
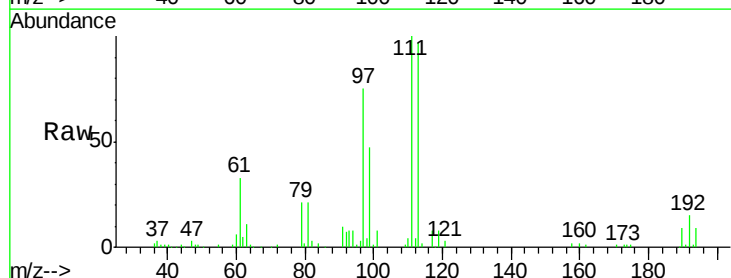
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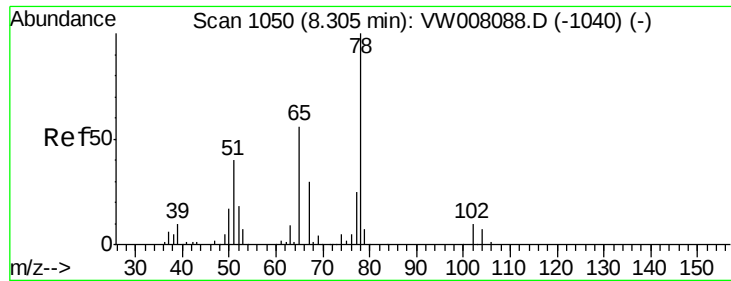
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#32
1,1,1-Trichloroethane
Concen: 20.189 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	47.4	35.6	53.4





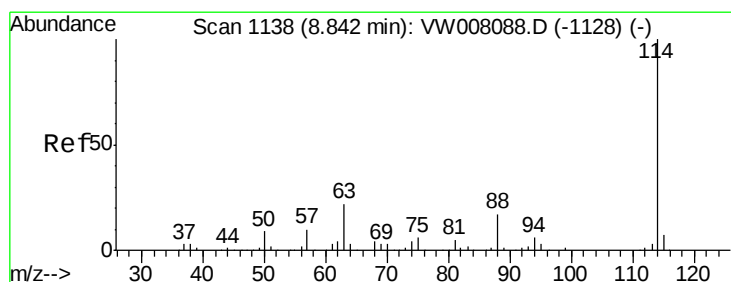
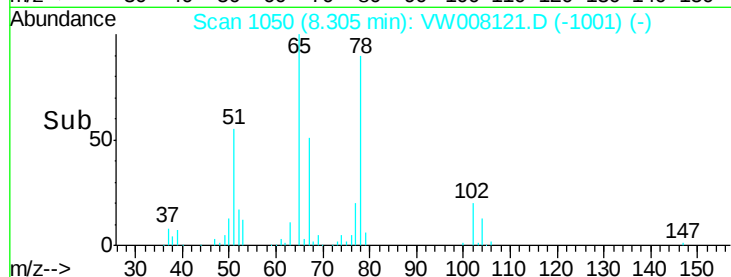
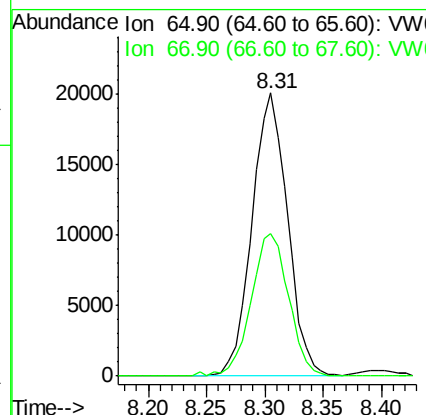
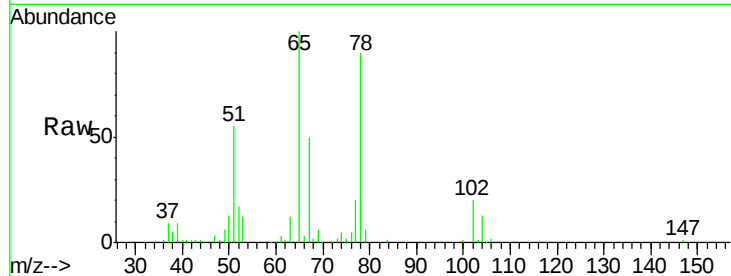
#33
 1,2-Dichloroethane-d4
 Concen: 54.478 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	42793		
67	53.1	0.0	106.8	

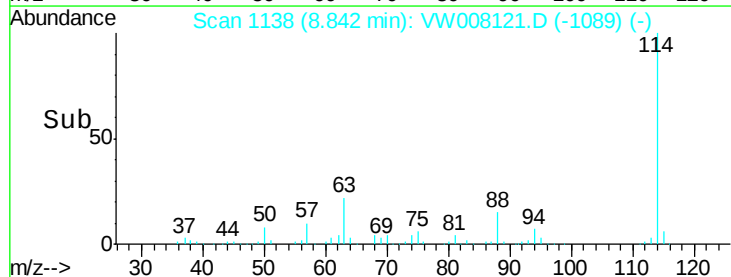
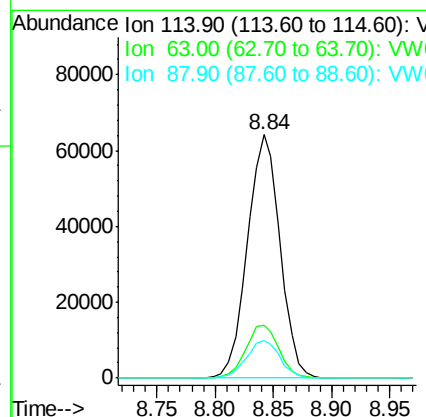
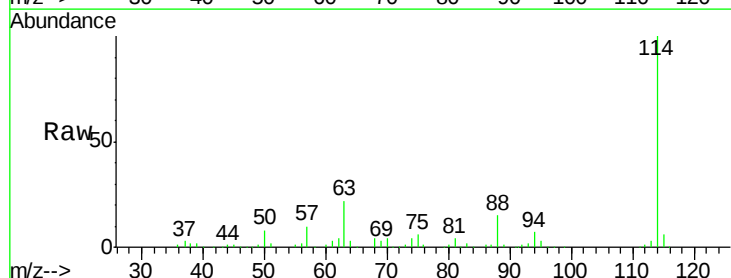
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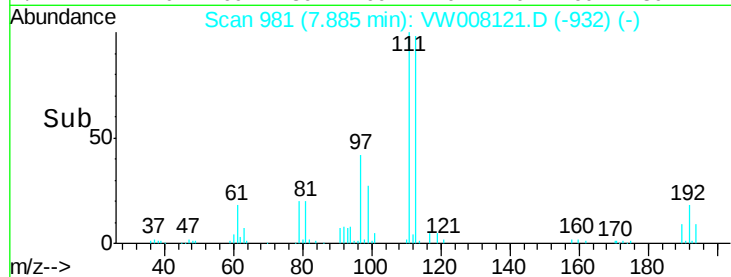
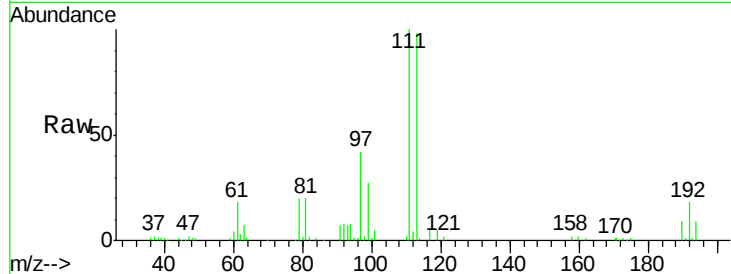
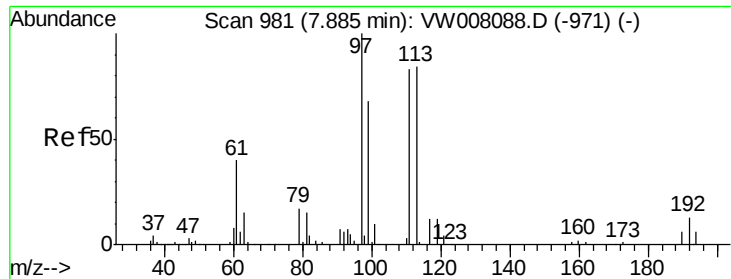
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	125246		
63	21.5	0.0	43.4	
88	15.4	0.0	33.4	





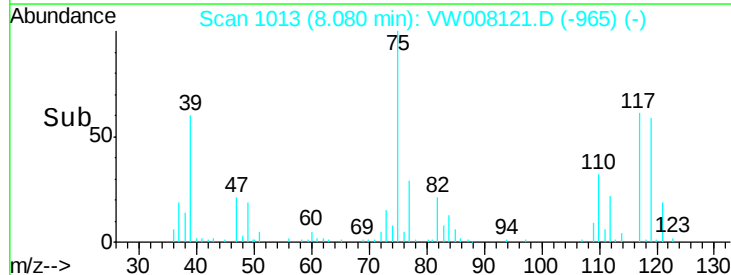
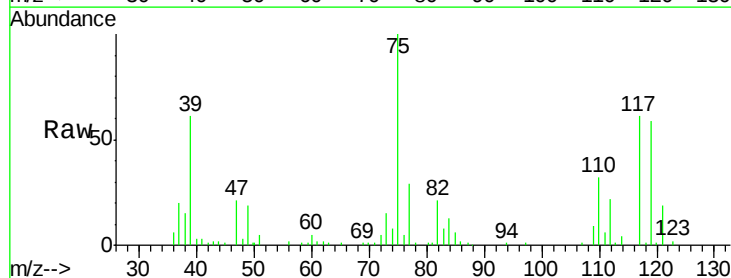
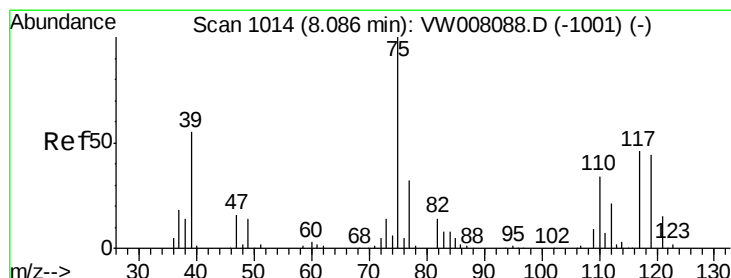
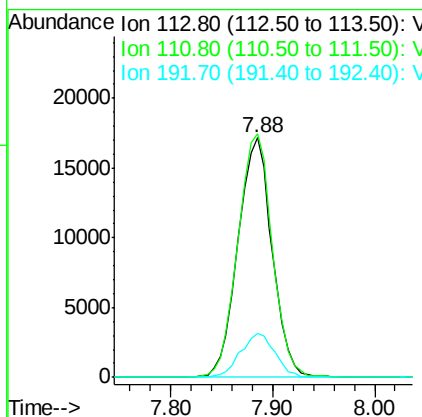
#35
Dibromofluoromethane
Concen: 54.550 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.8	122.8	
192	18.6	12.8	19.2	

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

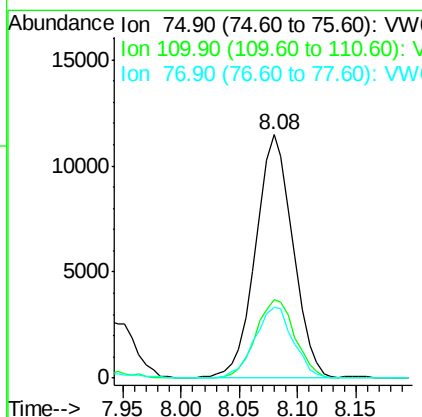
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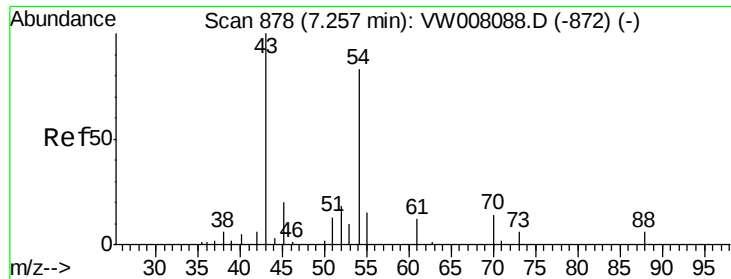
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#36
1,1-Dichloropropene
Concen: 19.931 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.6	17.1	51.3	
77	29.9	25.5	38.3	





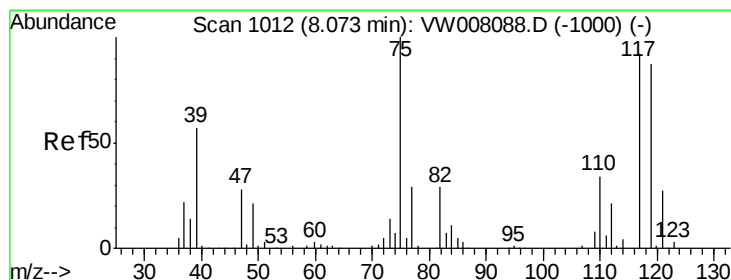
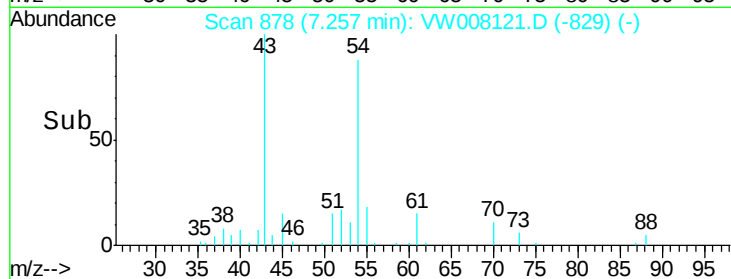
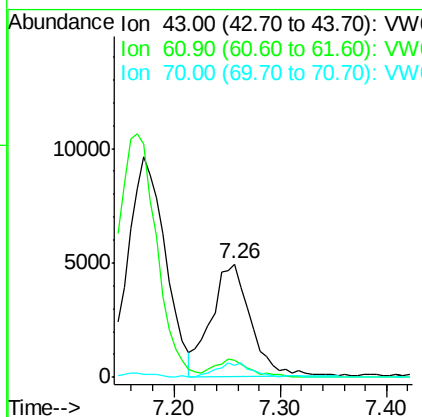
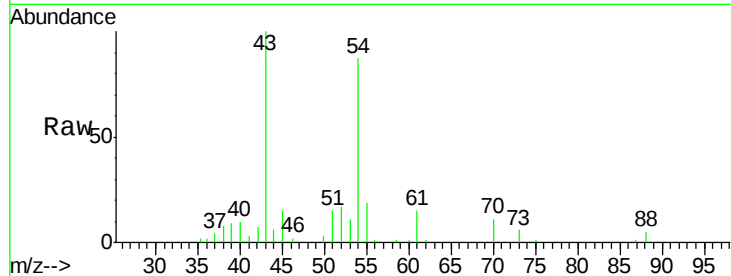
#37
Ethyl Acetate
Concen: 24.569 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.6	16.0
70	11.3	8.9	13.3

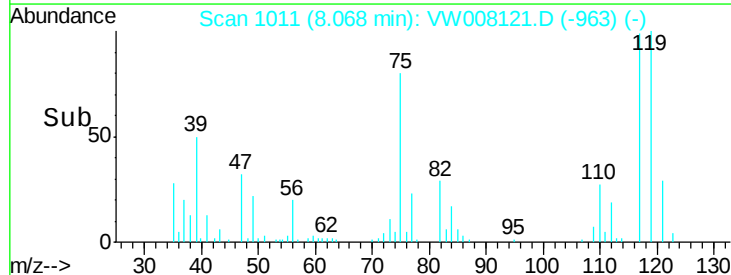
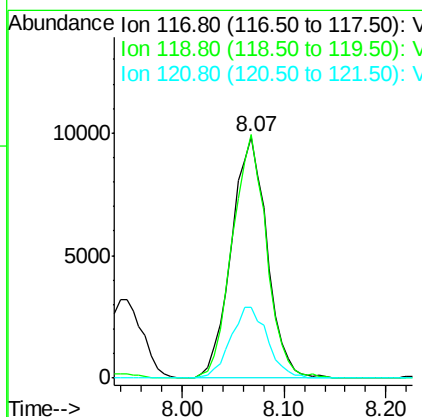
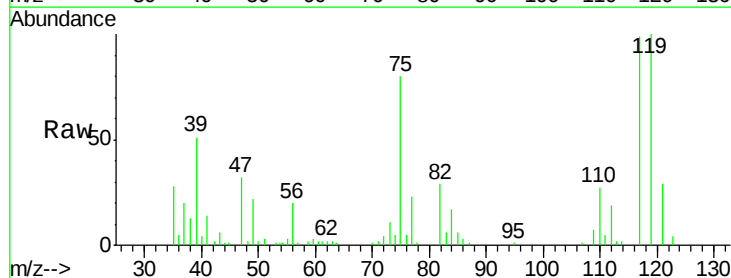
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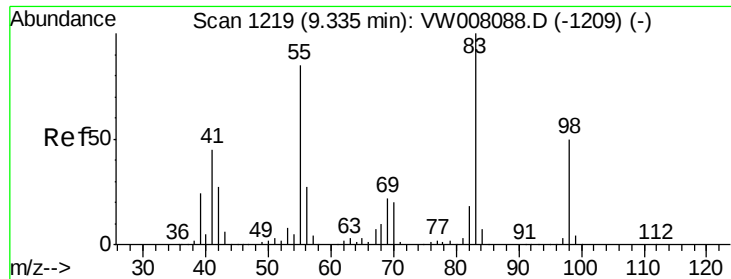
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#38
Carbon Tetrachloride
Concen: 20.200 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.9	75.8	113.8
121	29.3	23.7	35.5





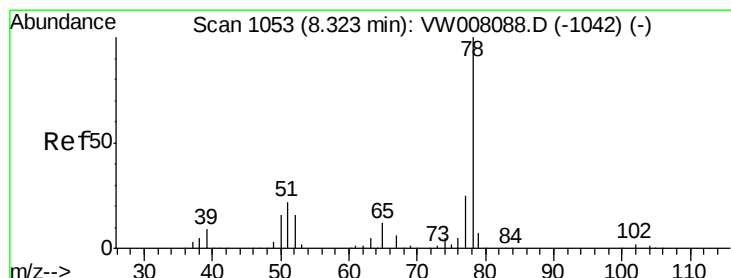
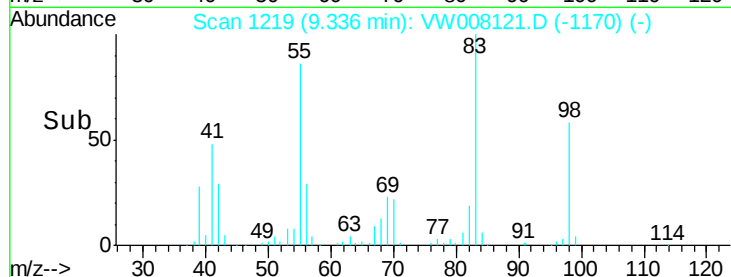
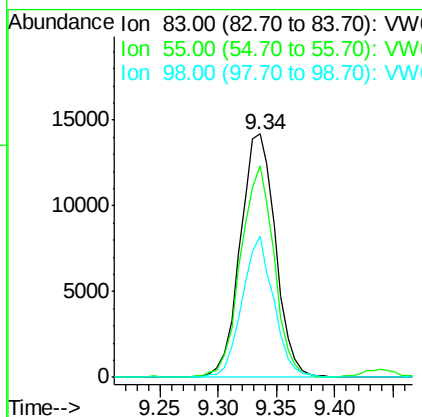
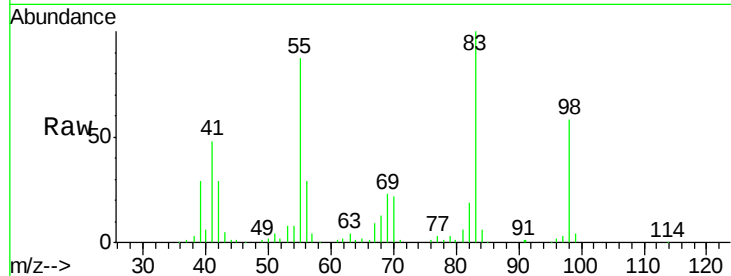
#39
Methvlcvclohexane
Concen: 18.289 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	83	Resp	29919
Ion Ratio	Lower	Upper	
83	100		
55	86.9	67.8	101.6
98	57.8	40.2	60.4

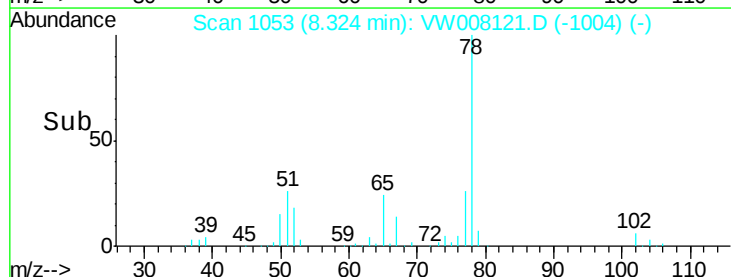
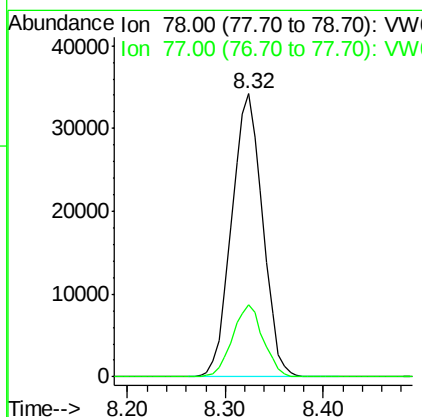
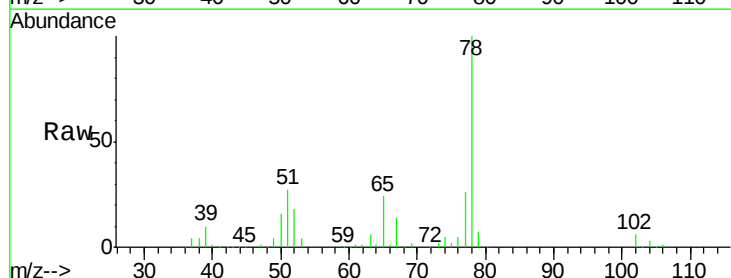
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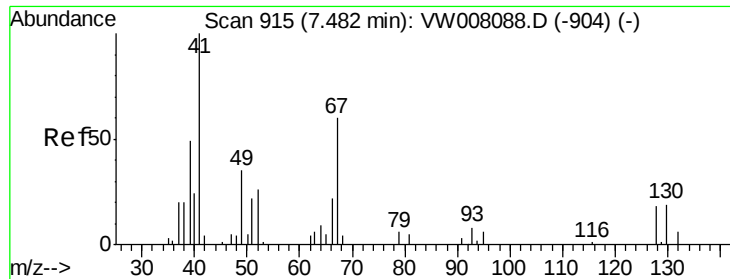
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#40
Benzene
Concen: 21.436 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	78	Resp	75011
Ion Ratio	Lower	Upper	
78	100		
77	25.6	20.2	30.4





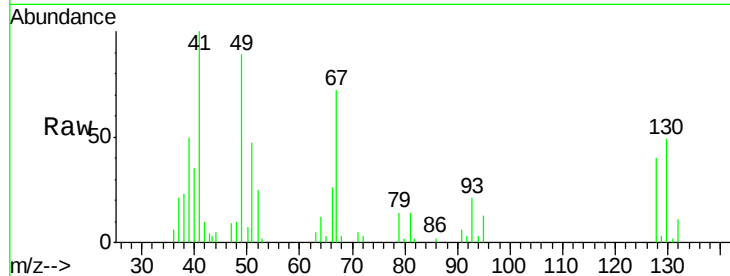
#41
Methacrylonitrile
Concen: 21.571 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

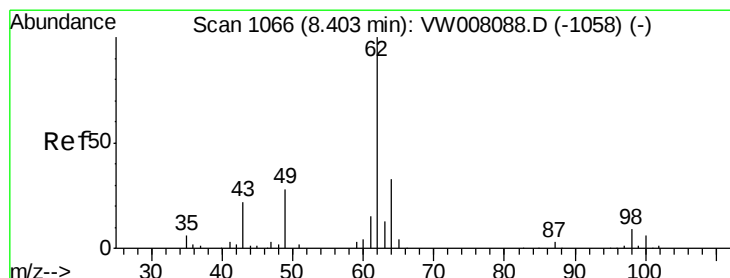
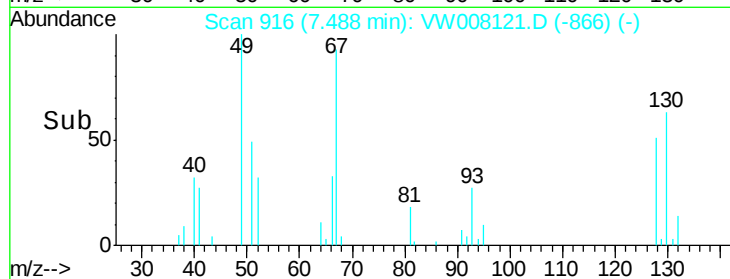
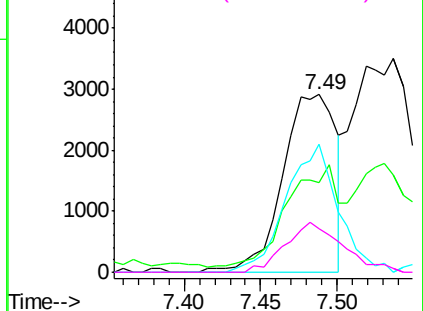
Tot Ion	Ratio	Lower	Upper
41	100		
39	58.1	47.9	71.9
67	70.6	56.3	84.5
52	30.5	24.5	36.7

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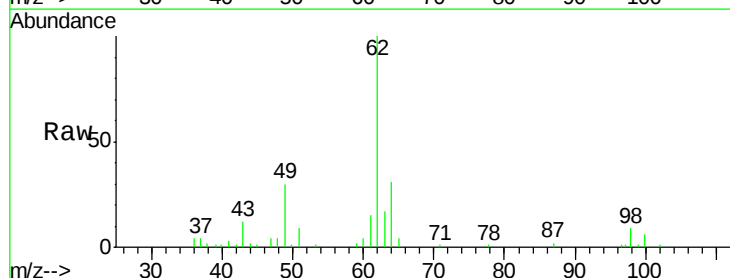


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

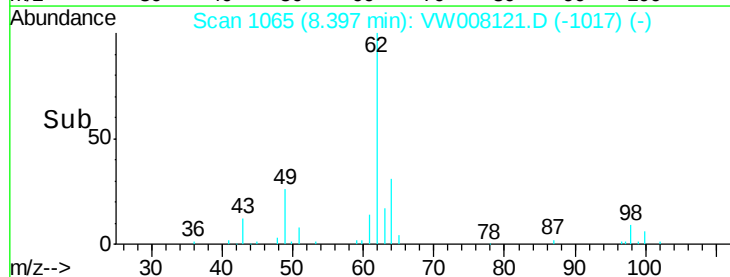
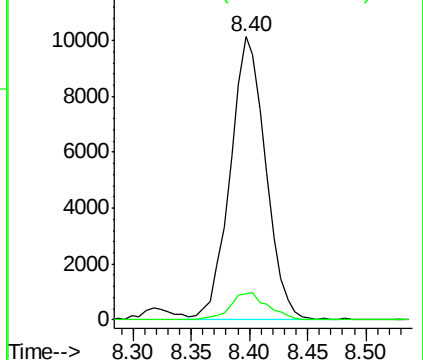


#42
1,2-Dichloroethane
Concen: 21.909 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 23.189 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

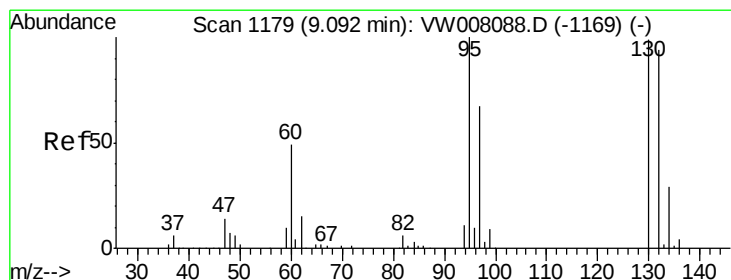
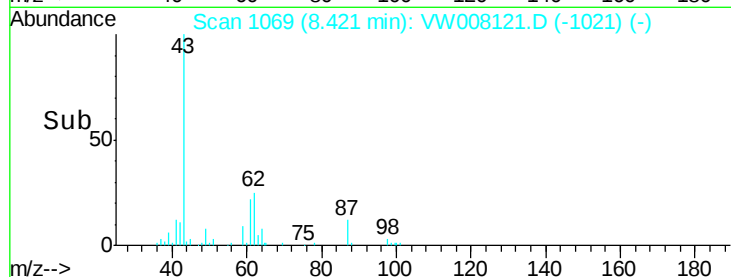
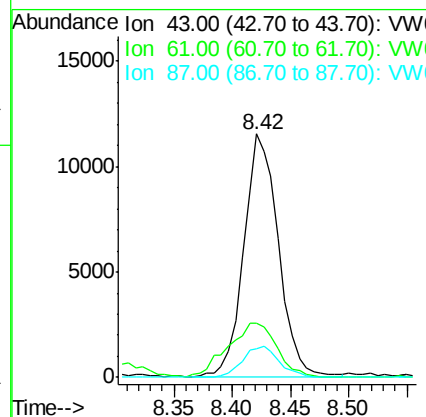
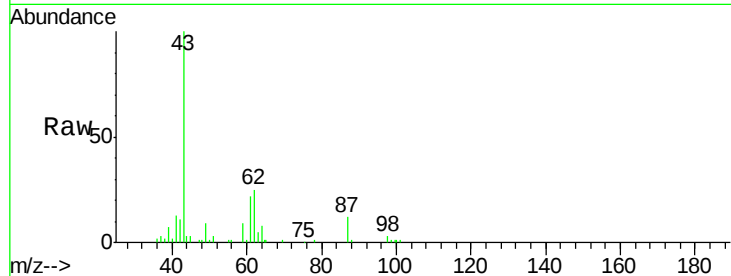
ClientSampleId :

VW0109SBS02

Tot Ion:	43	Resp:	23964
Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.8	37.2
87	13.3	10.4	15.6

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#44

Trichloroethene

Concen: 20.737 ug/l

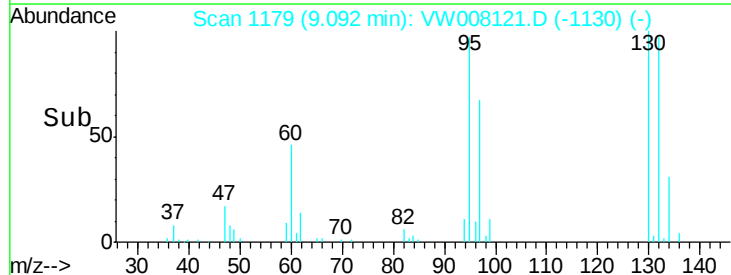
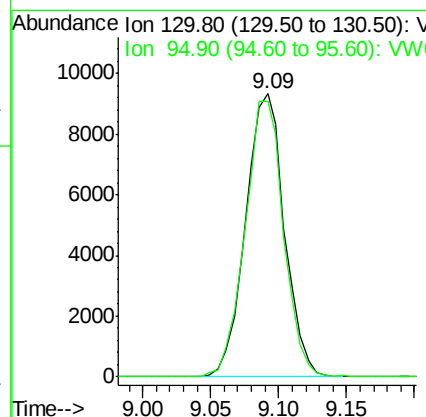
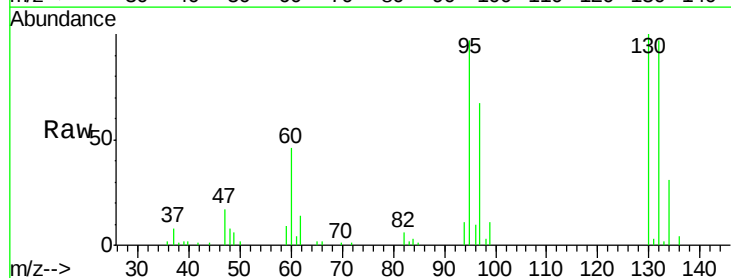
RT: 9.09 min Scan# 1179

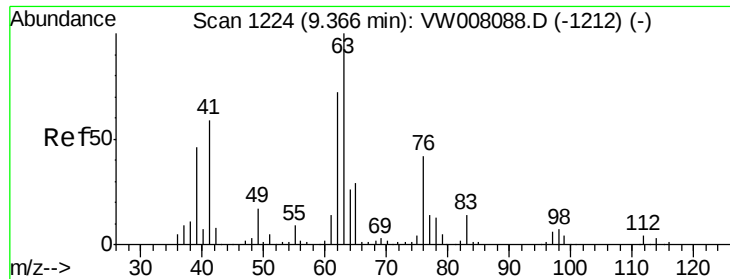
Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Tgt Ion:	130	Resp:	18576
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	202.8





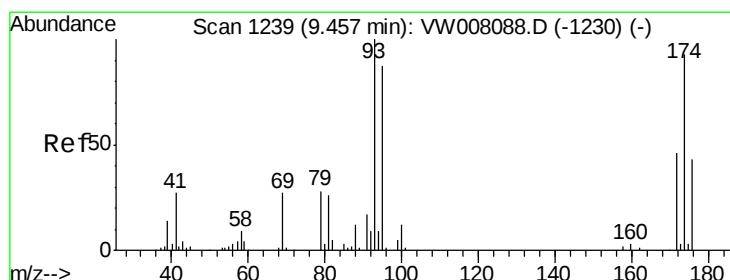
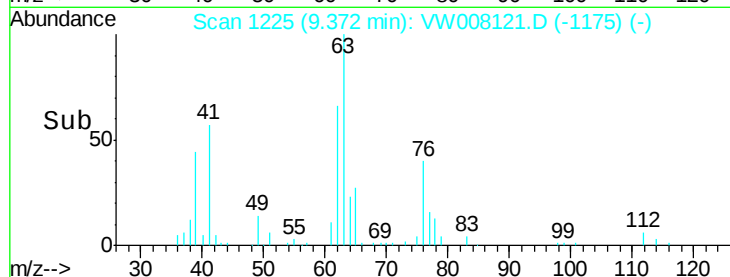
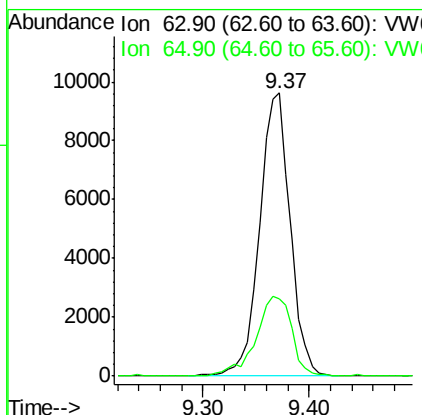
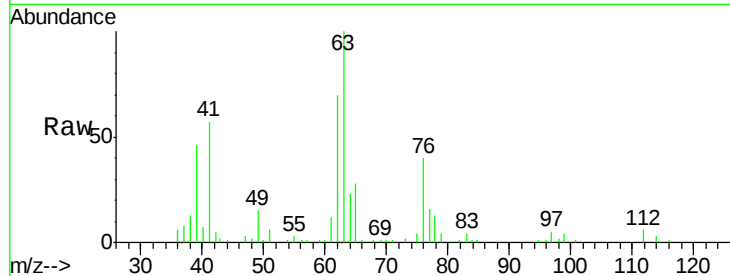
#45
 1,2-Dichloropropane
 Concen: 22.316 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion: 63 Resp: 19363
 Ion Ratio Lower Upper
 63 100
 65 27.5 23.3 34.9

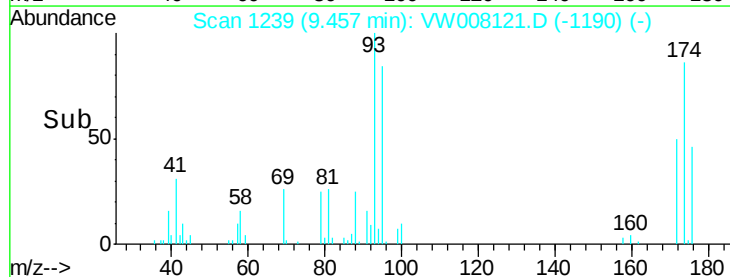
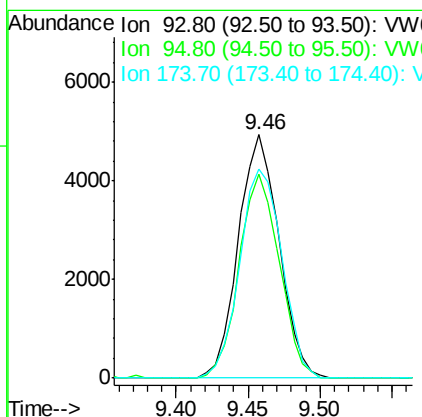
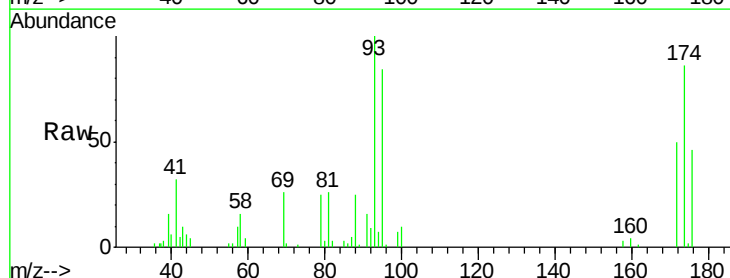
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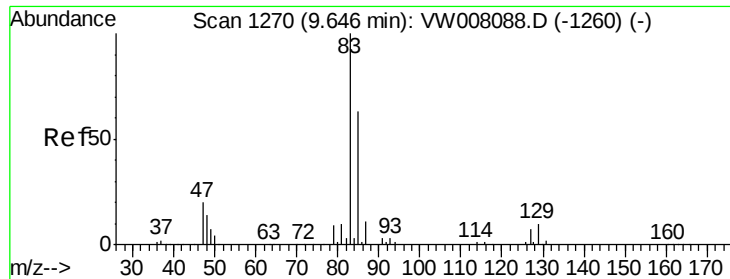
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#46
 Dibromomethane
 Concen: 22.674 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion: 93 Resp: 9662
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.5 101.3
 174 89.2 72.5 108.7





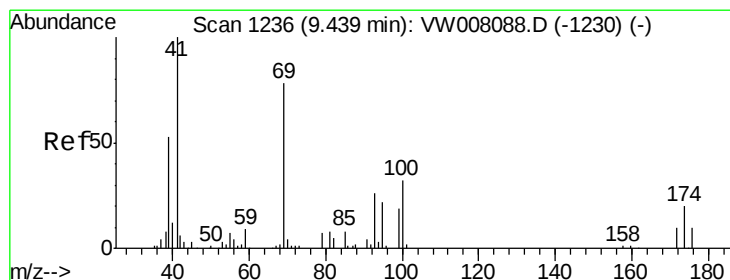
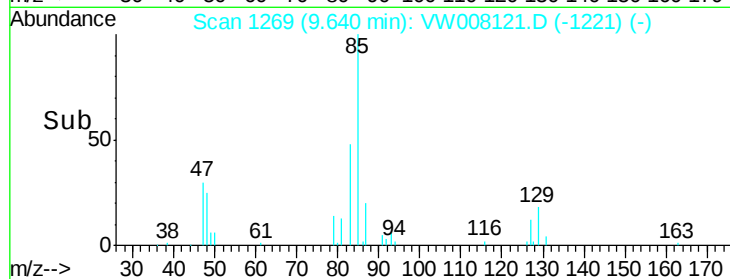
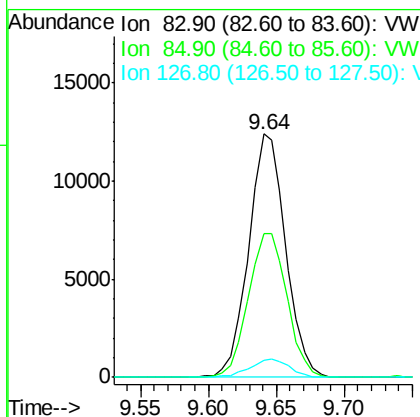
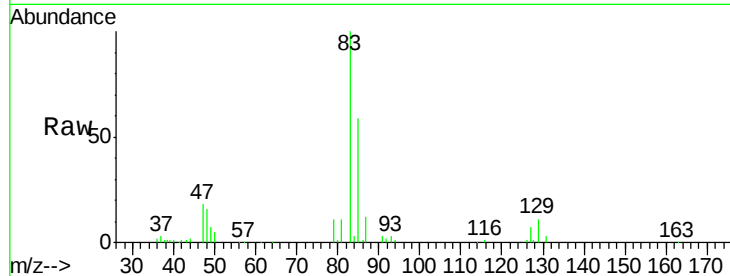
#47
Bromodichloromethane
Concen: 21.780 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	83	Resp	23566
Ion Ratio	100	Lower	Upper
83	100		
85	59.3	50.7	76.1
127	7.1	6.0	9.0

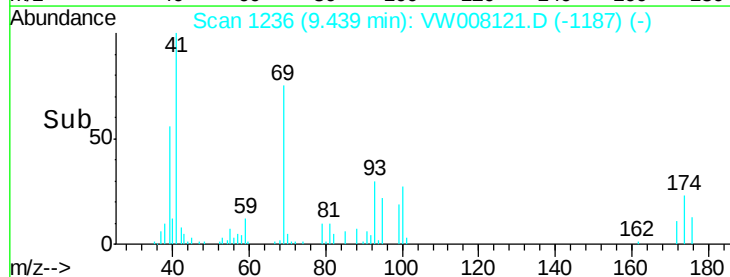
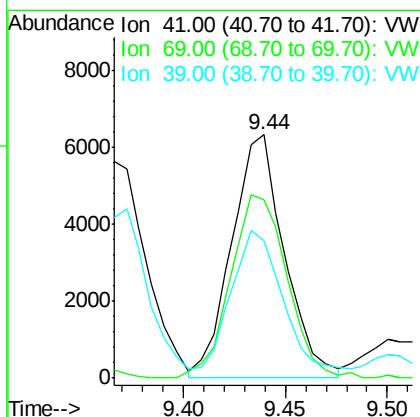
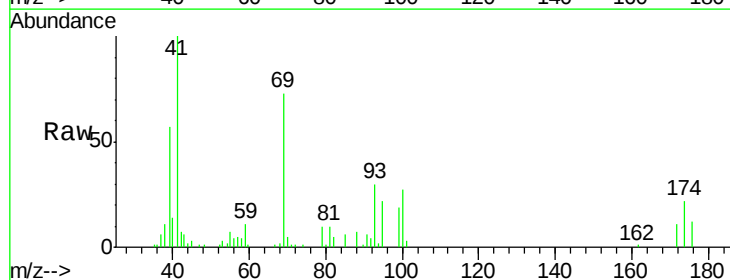
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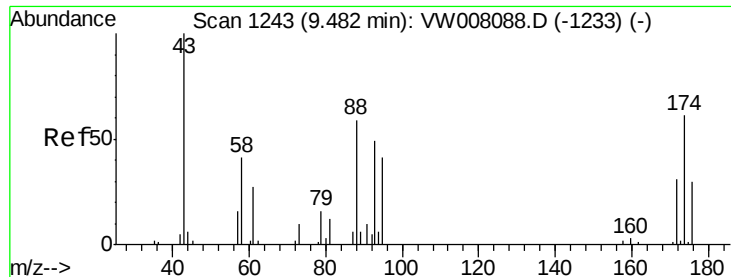
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#48
Methyl methacrylate
Concen: 23.382 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	41	Resp	11402
Ion Ratio	100	Lower	Upper
41	100		
69	80.4	61.9	92.9
39	54.0	43.0	64.4





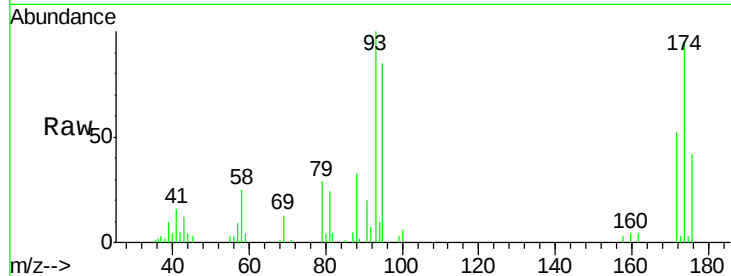
#49
1,4-Dioxane
Concen: 431.067 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.02 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampled :
VW0109SBS02

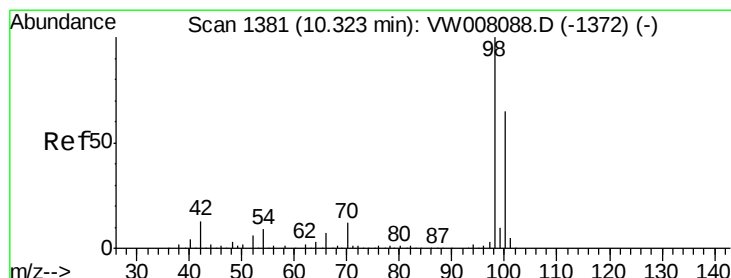
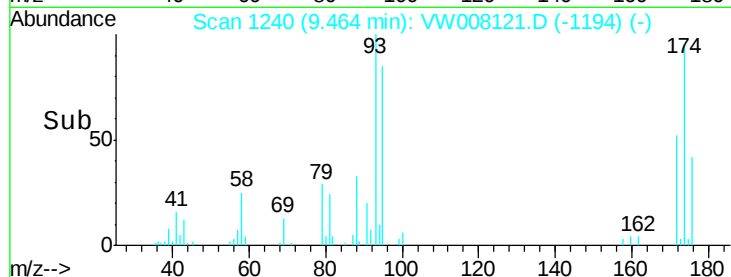
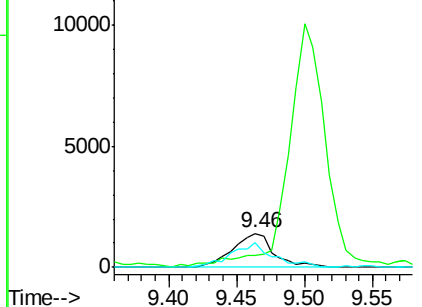
Tot Ion	Ratio	Resp	Lower	Upper
88	100	2954		
43	0.0	0.0	0.0	
58	75.8	61.7	92.5	

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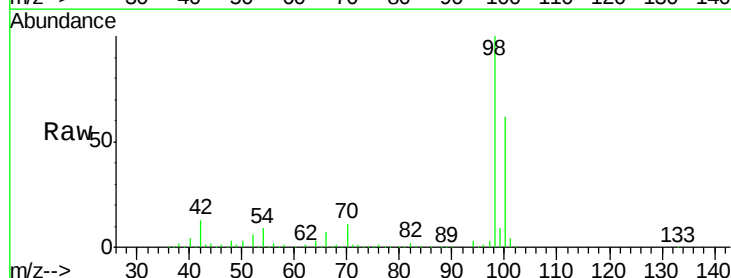


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

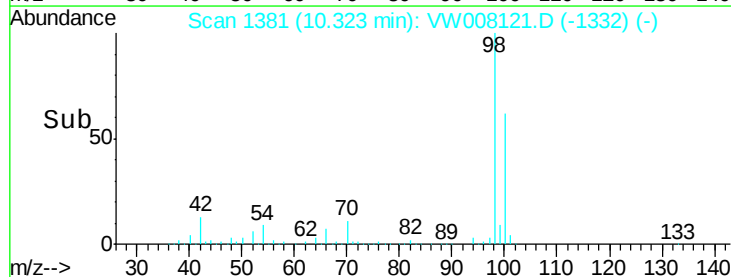
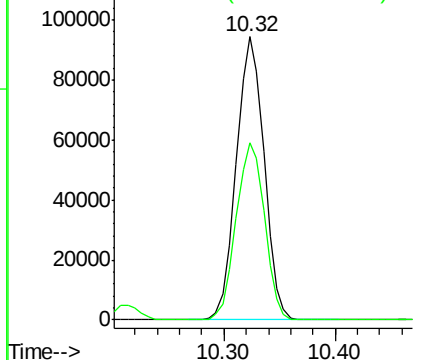


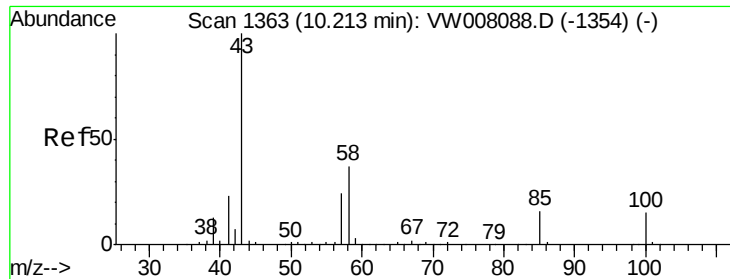
#50
Toluene-d8
Concen: 53.167 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	162979		
100	64.1	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: 116.274 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS02

Tot Ion: 43 Resp: 58165

Ion Ratio Lower Upper

43 100

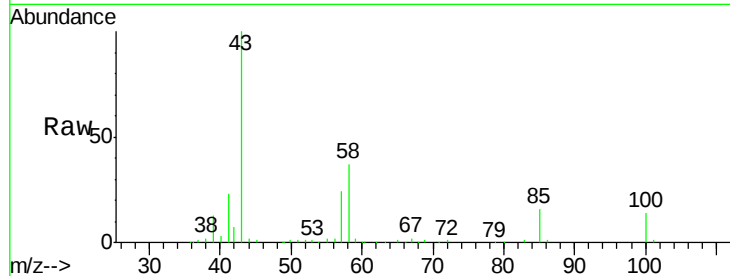
58 36.4 30.6 46.0

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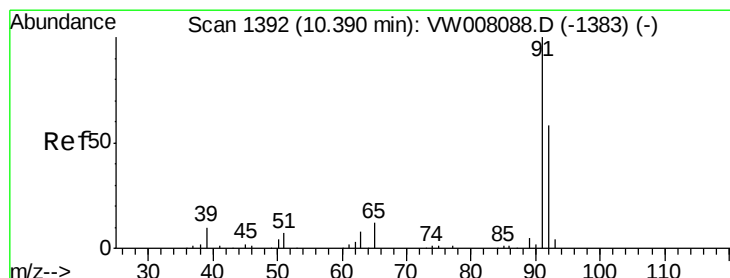
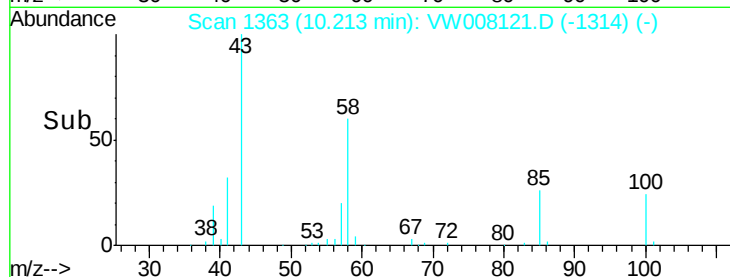
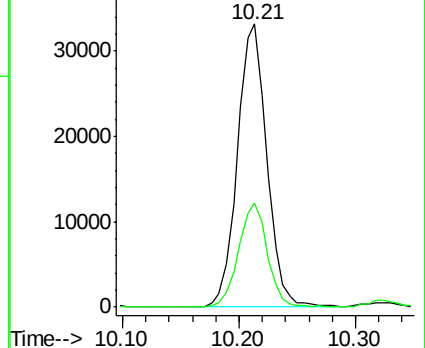
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.041 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008121.D

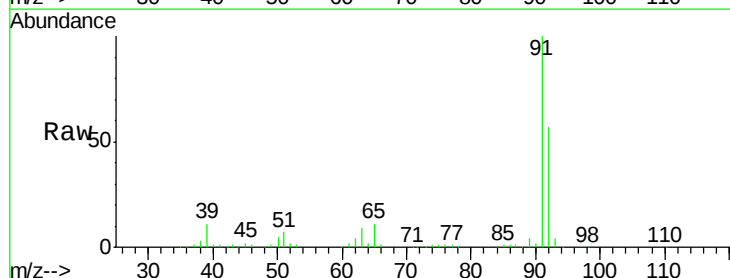
Acq: 10 Jan 2019 00:59

Tgt Ion: 92 Resp: 47023

Ion Ratio Lower Upper

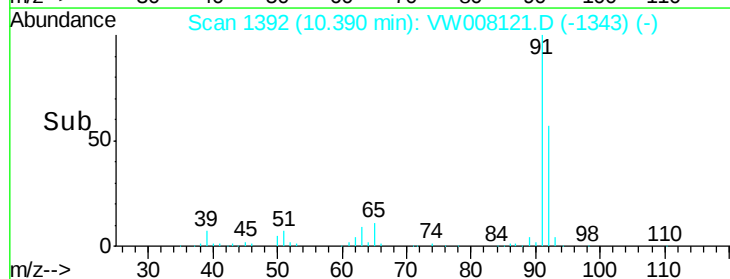
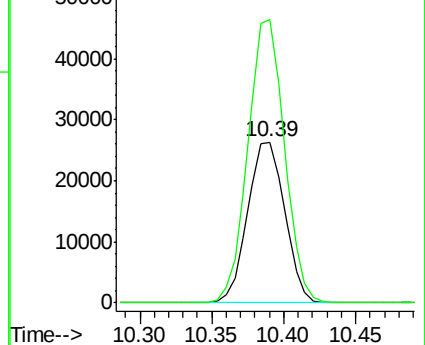
92 100

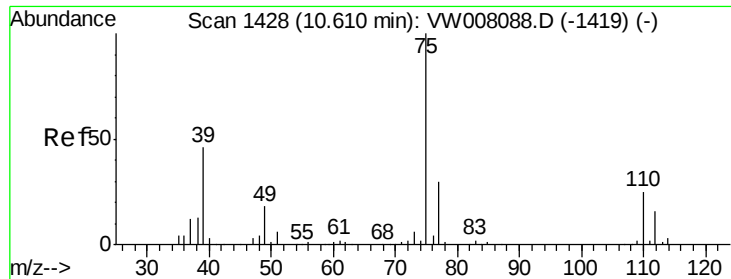
91 173.3 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





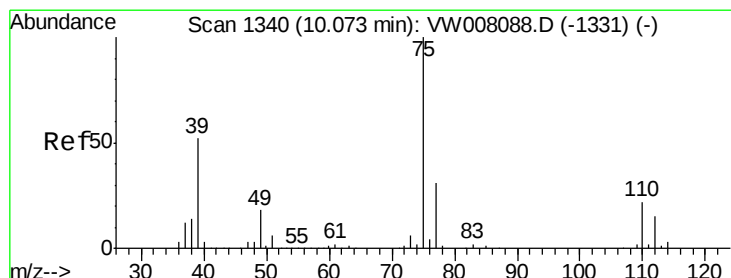
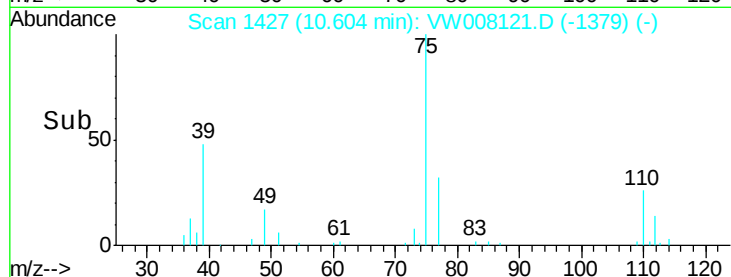
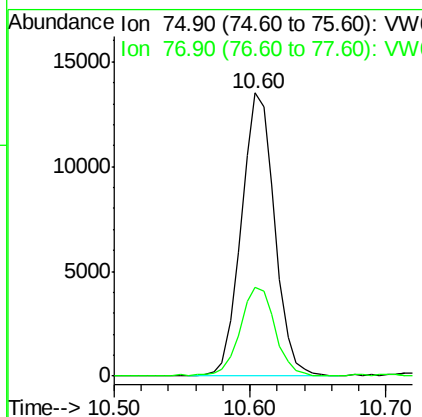
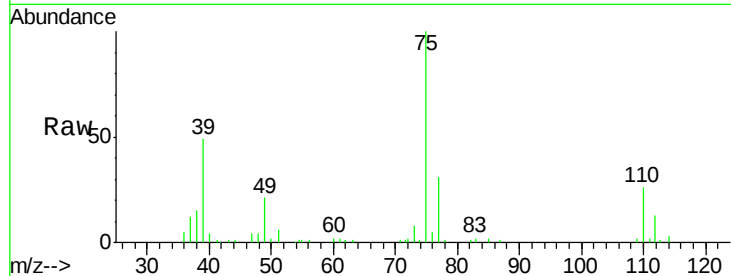
#53
 t-1,3-Dichloropropene
 Concen: 20.549 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion: 75 Resp: 23127
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.4 36.6

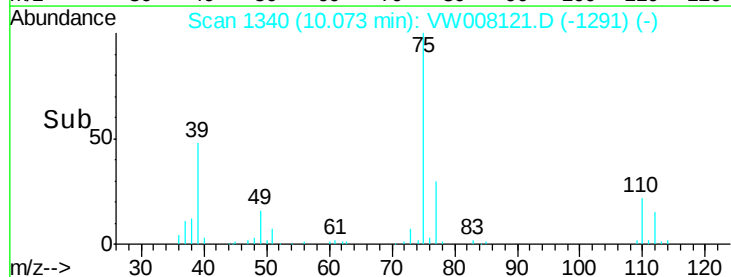
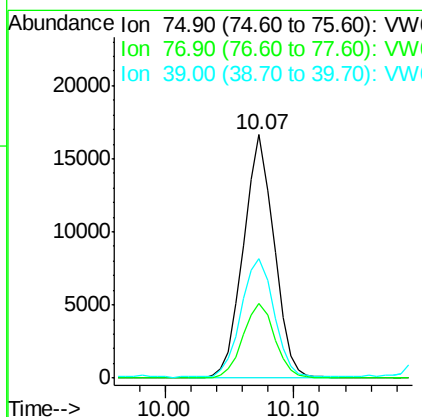
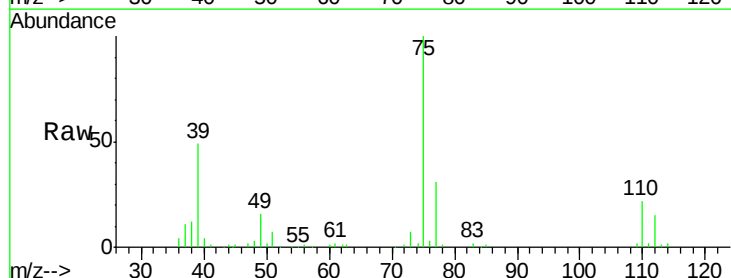
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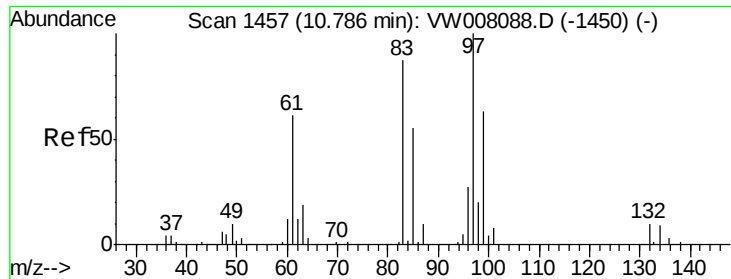
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#54
 cis-1,3-Dichloropropene
 Concen: 20.580 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion: 75 Resp: 27466
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 48.3 41.4 62.0





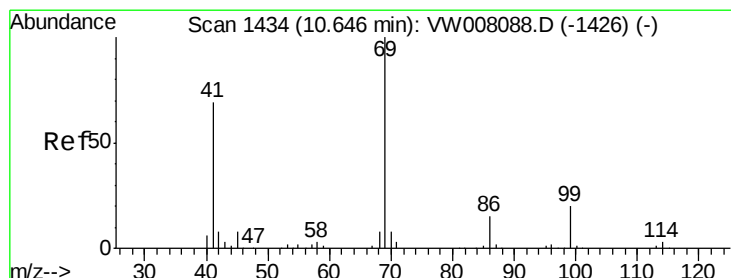
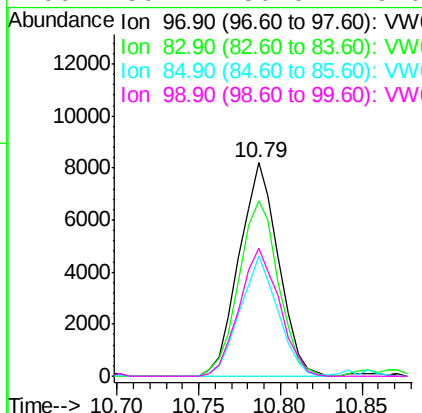
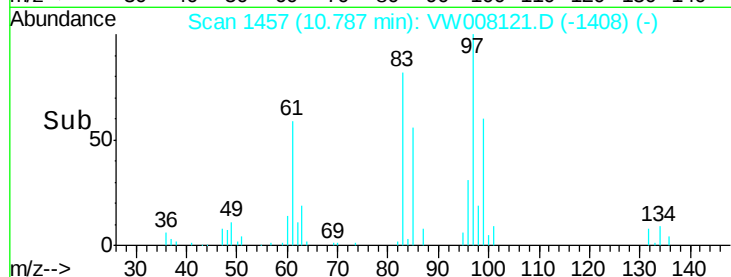
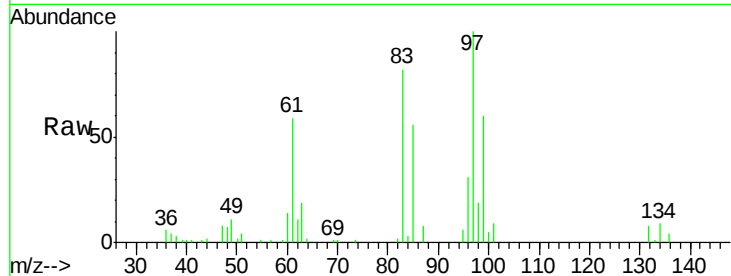
#55
 1,1,2-Trichloroethane
 Concen: 23.005 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion:	97	Resp:	13763
Ion	Ratio	Lower	Upper
97	100		
83	82.0	69.3	103.9
85	56.2	43.8	65.6
99	59.7	50.0	75.0

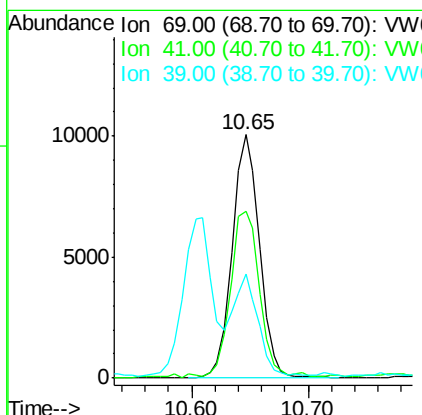
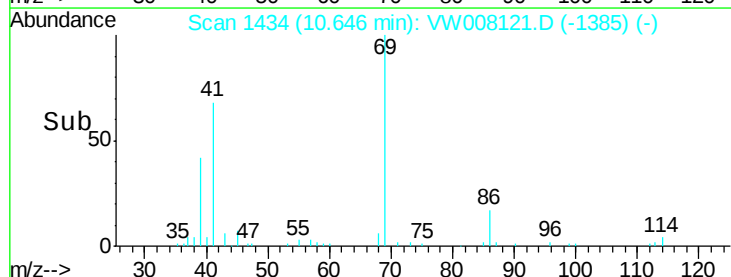
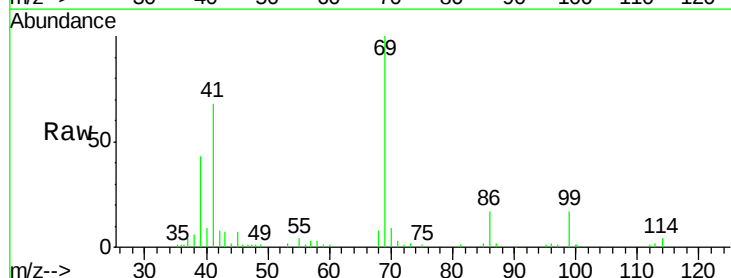
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#56
 Ethyl methacrylate
 Concen: 22.182 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion:	69	Resp:	16435
Ion	Ratio	Lower	Upper
69	100		
41	74.6	56.4	84.6
39	36.9	28.1	42.1





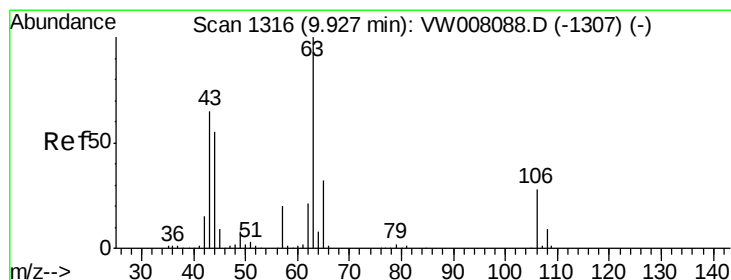
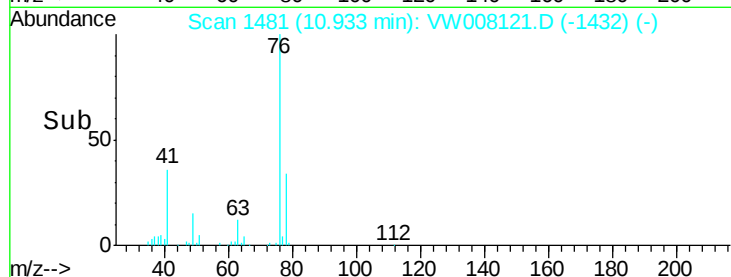
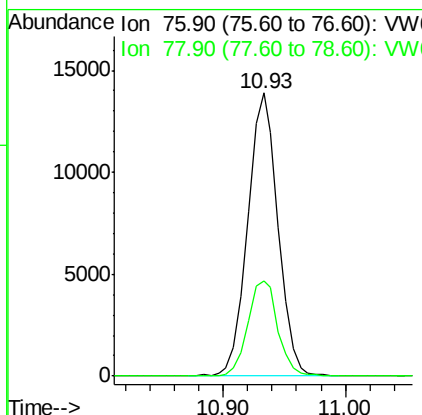
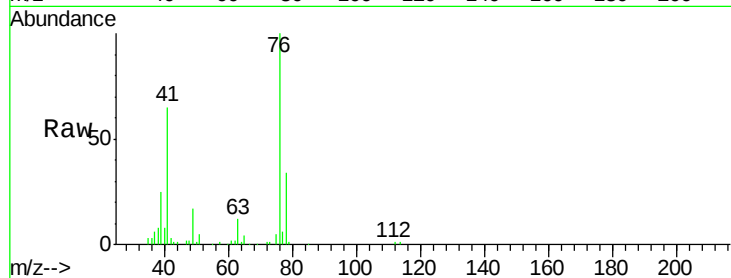
#57
 1,3-Dichloropropane
 Concen: 21.805 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion: 76 Resp: 23858
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.7 38.5

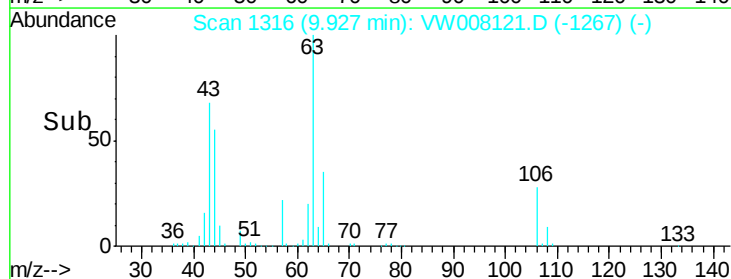
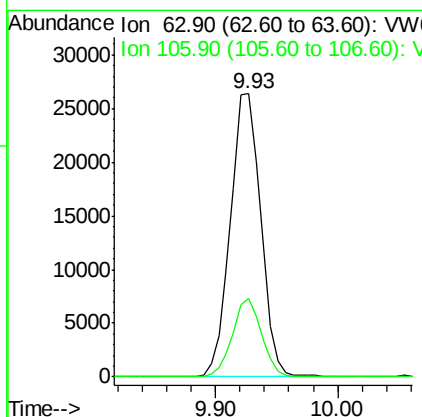
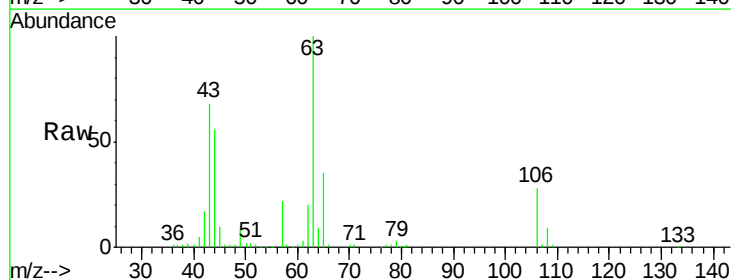
Manual Integrations
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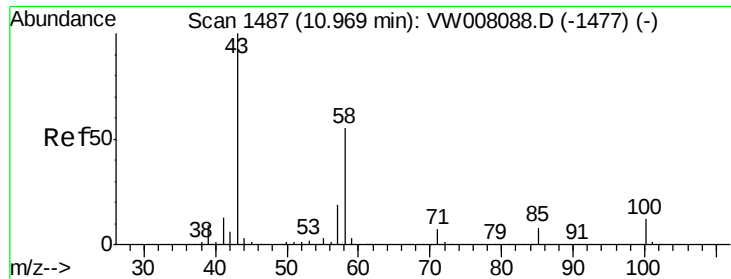
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#58
 2-Chloroethyl Vinyl ether
 Concen: 118.598 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion: 63 Resp: 45389
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.8 32.6





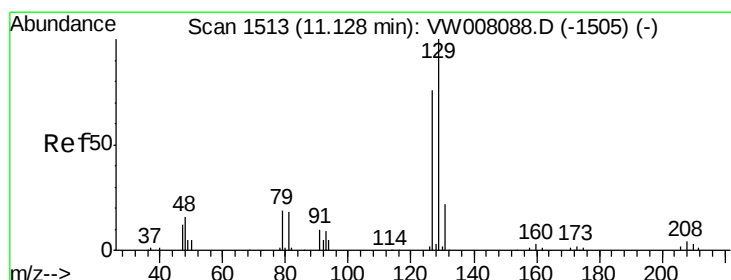
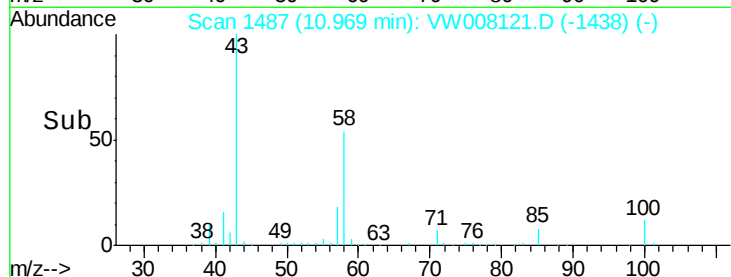
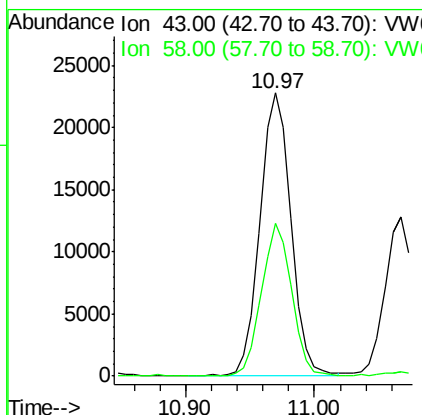
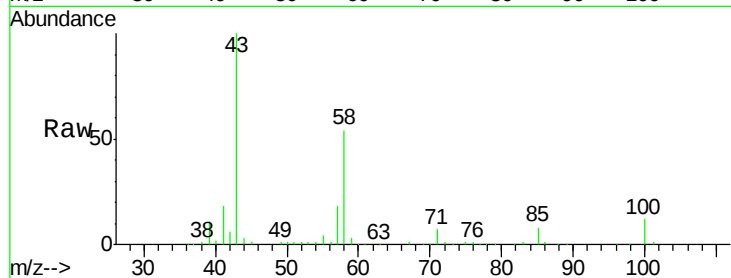
#59
2-Hexanone
Concen: 112.396 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion: 43 Resp: 38022
Ion Ratio Lower Upper
43 100
58 52.5 27.2 81.5

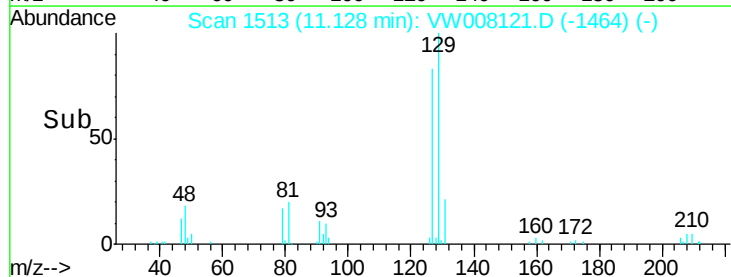
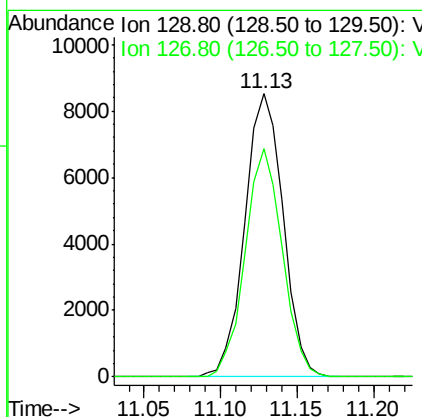
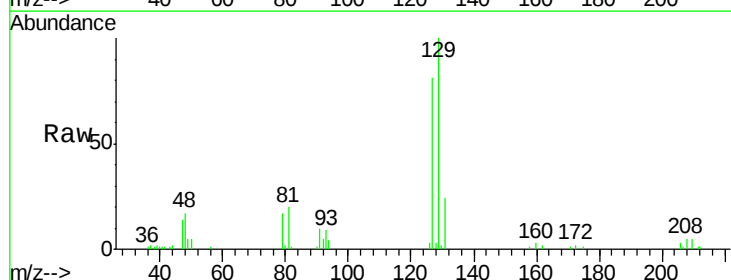
Manual Integrations
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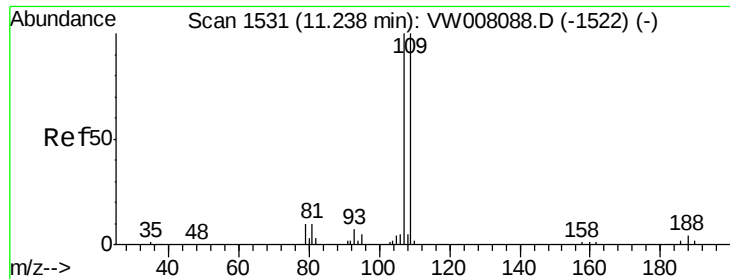
MMDadoda
1/10/2019 5:06:19 PM



#60
Dibromochloromethane
Concen: 22.686 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion:129 Resp: 14904
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.6





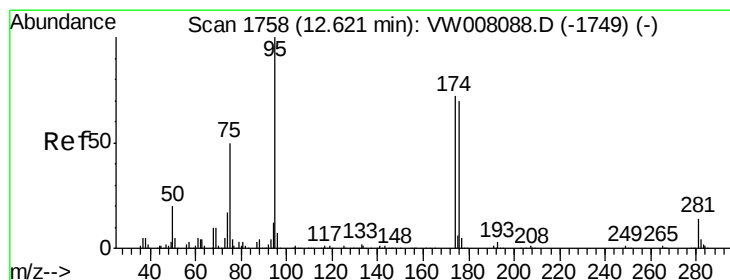
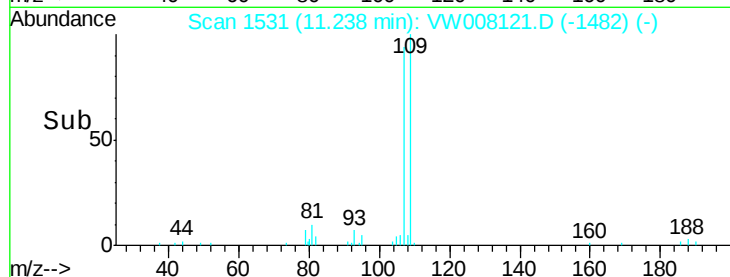
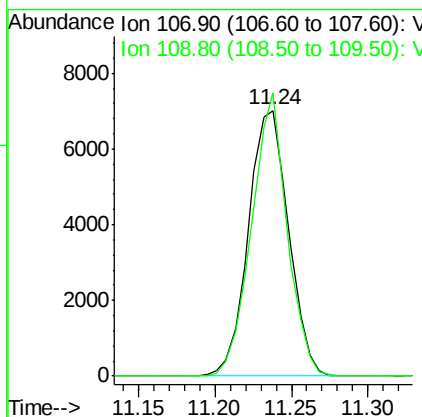
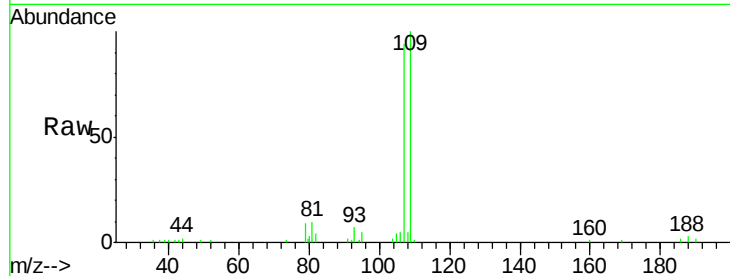
#61
 1,2-Dibromoethane
 Concen: 22.592 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

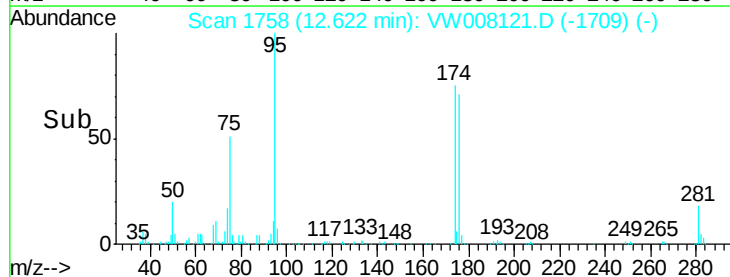
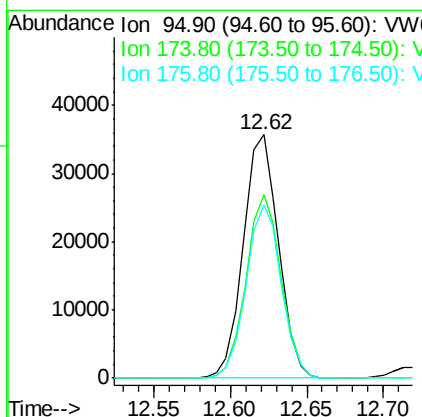
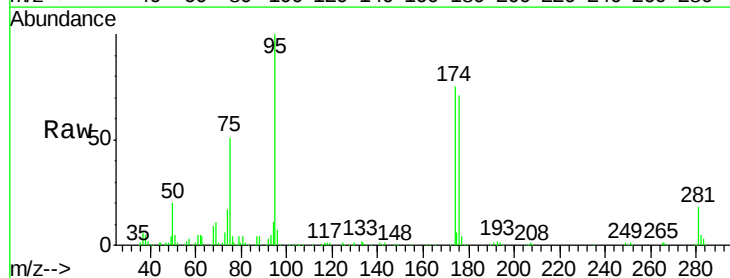
Manual Integrations
 APPROVED

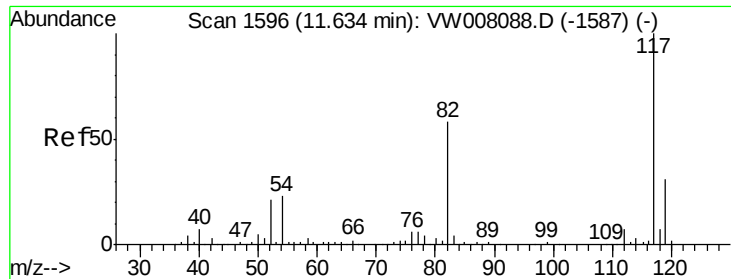
MMDadoda
 1/10/2019 5:06:19 PM



#62
 4-Bromofluorobenzene
 Concen: 51.856 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	143.0
176	71.0	0.0	140.2





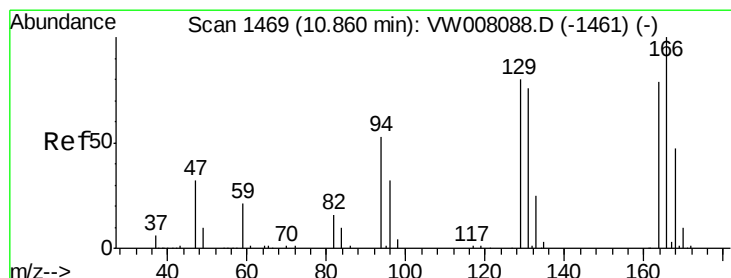
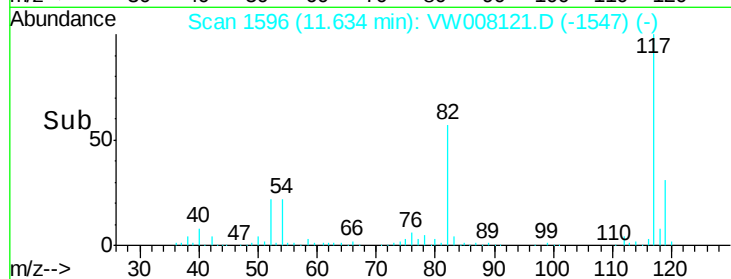
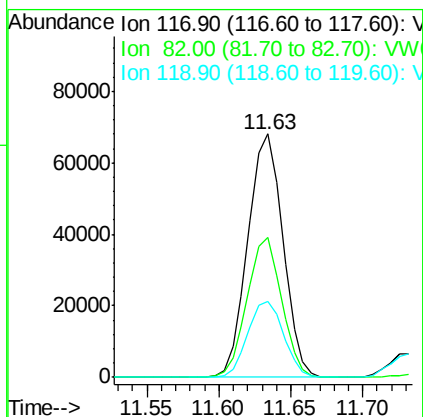
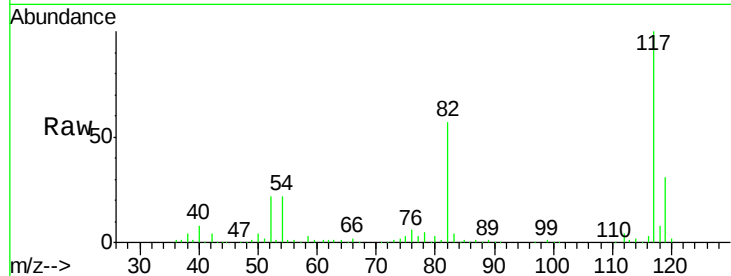
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.4	69.6
119	31.3	24.7	37.1

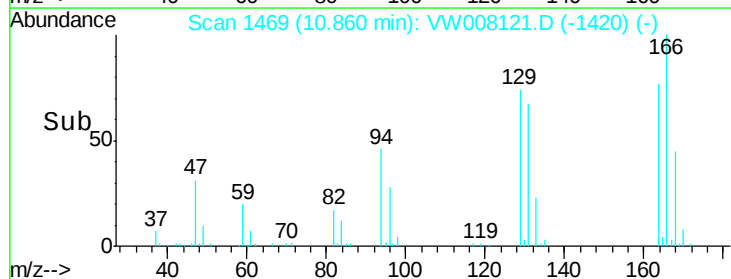
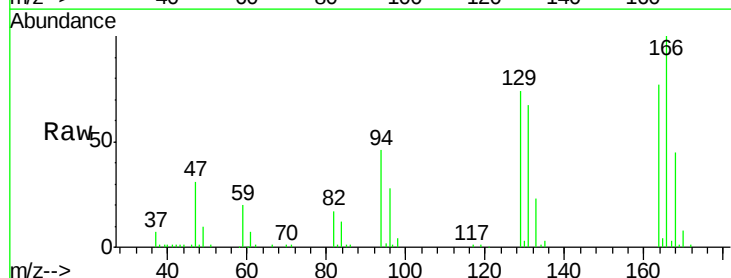
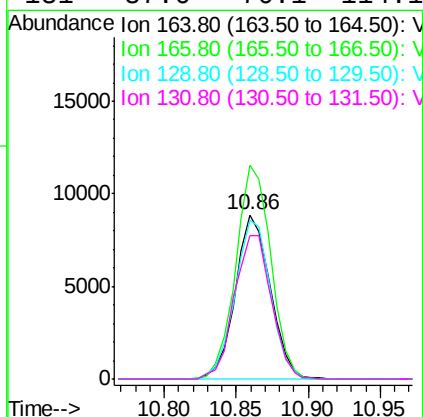
Manual Integrations
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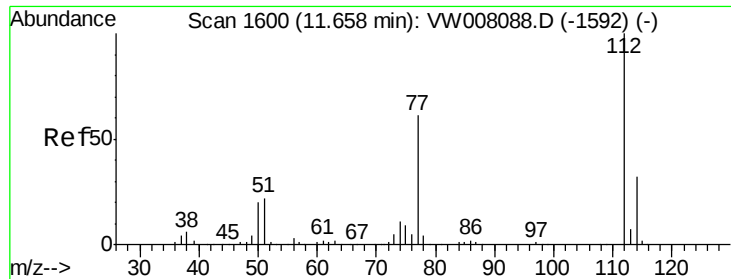
MMDadoda
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#64
Tetrachloroethene
Concen: 19.920 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	100.7	151.1
129	96.7	81.0	121.4
131	87.6	76.1	114.1





#65

Chlorobenzene

Concen: 20.710 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS02

Tot Ion:112 Resp: 50469

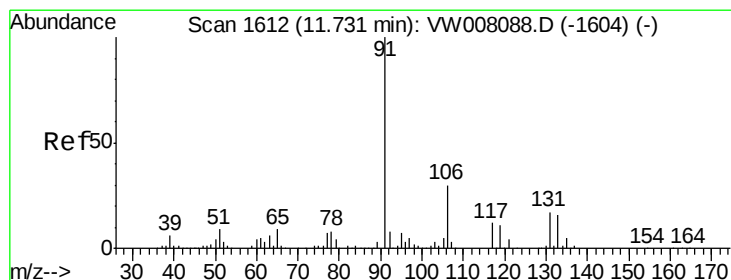
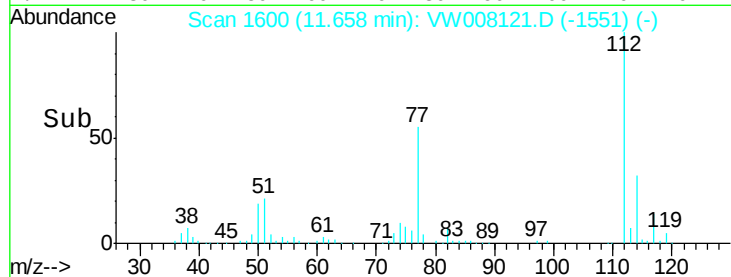
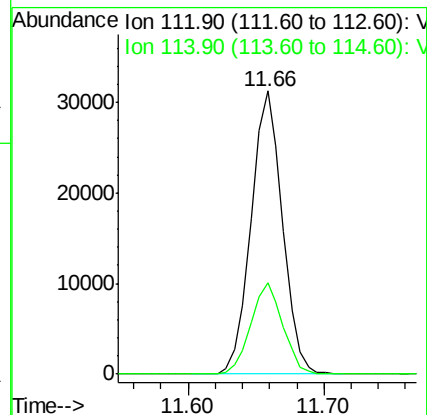
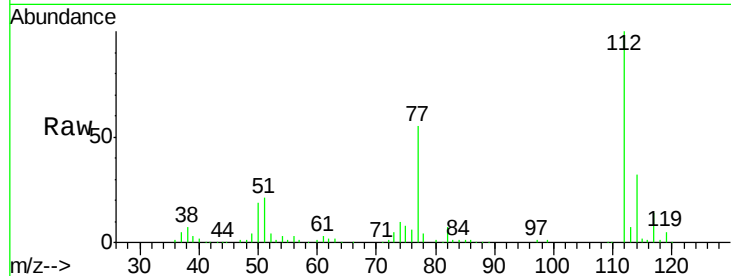
Ion Ratio Lower Upper

112 100

114 32.4 25.6 38.4

Manual Integrations
APPROVED

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1/10/2019 5:06:19 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.094 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

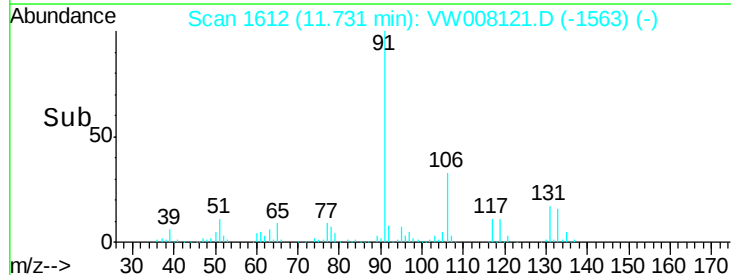
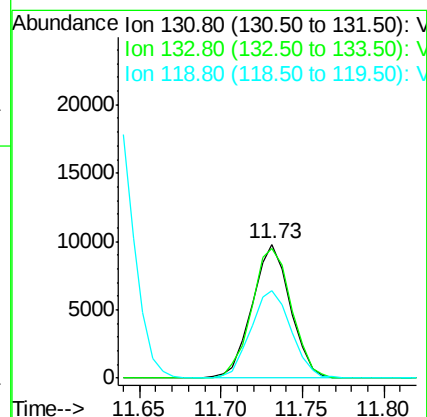
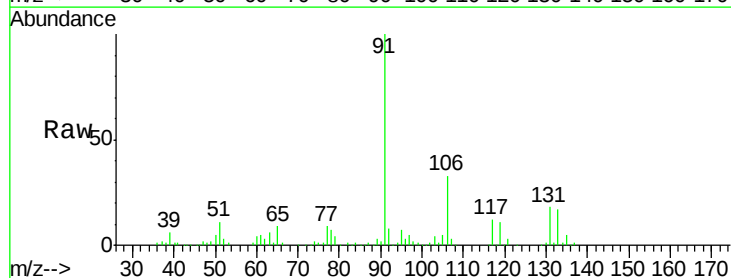
Tgt Ion:131 Resp: 15927

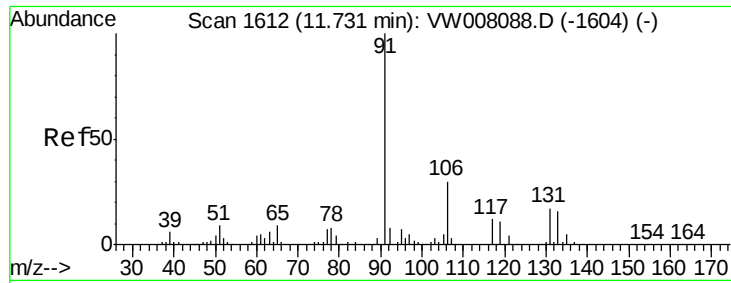
Ion Ratio Lower Upper

131 100

133 101.1 47.9 143.7

119 69.2 32.5 97.4





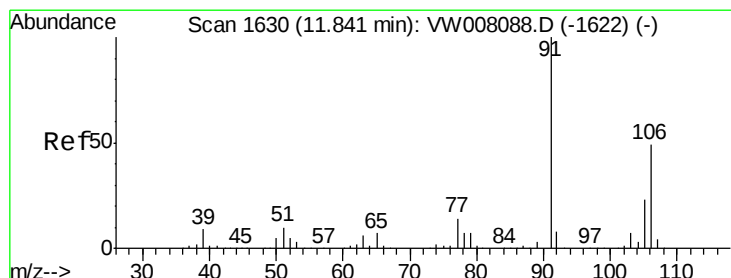
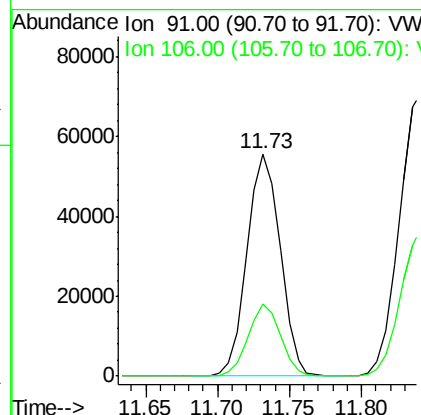
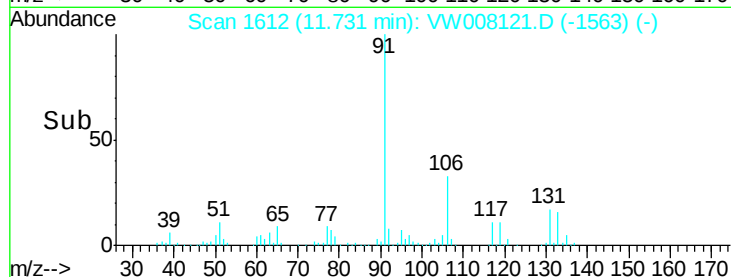
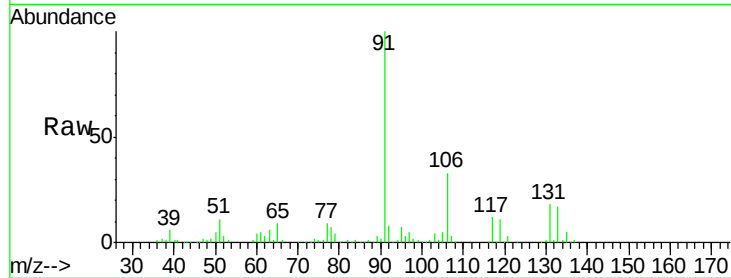
#67
Ethyl Benzene
Concen: 19.924 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion: 91 Resp: 88842
Ion Ratio Lower Upper
91 100
106 32.6 24.2 36.4

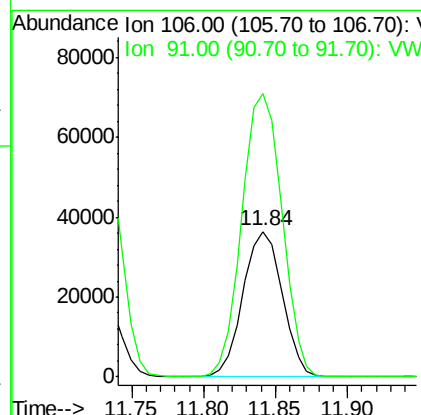
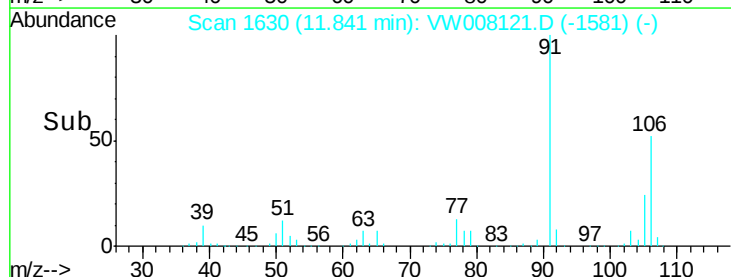
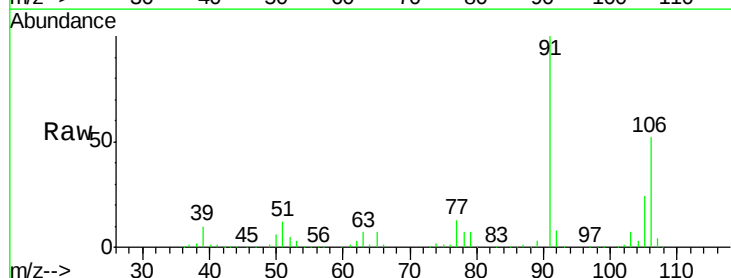
Manual Integrations
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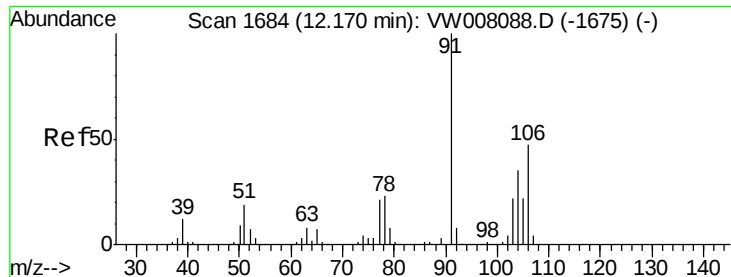
MMDadoda
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#68
m/p-Xylenes
Concen: 40.364 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion: 106 Resp: 68697
Ion Ratio Lower Upper
106 100
91 200.5 162.4 243.6





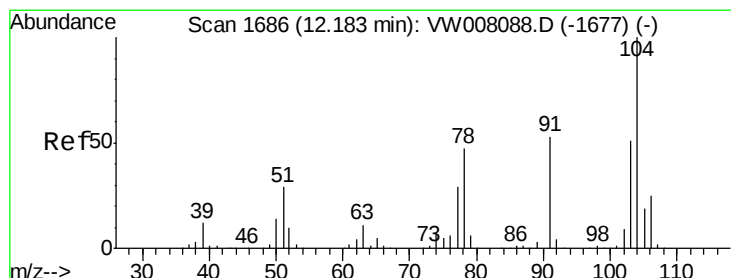
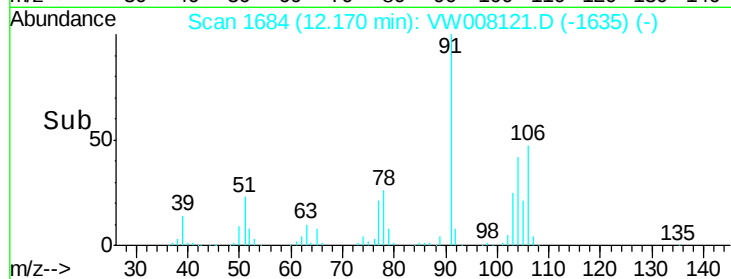
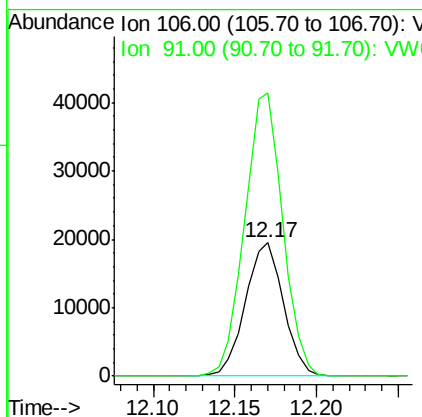
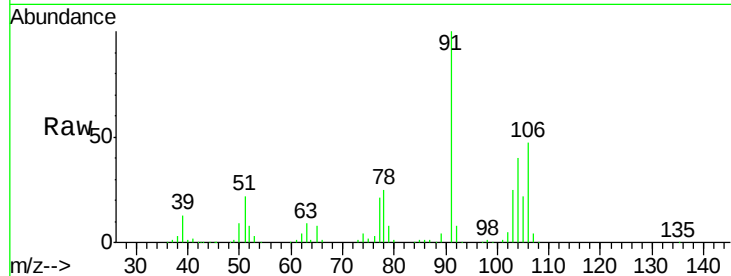
#69
o-Xylene
Concen: 20.036 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion:106 Resp: 31578
Ion Ratio Lower Upper
106 100
91 212.8 107.8 323.6

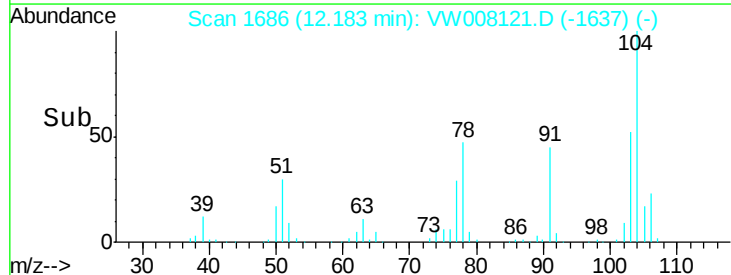
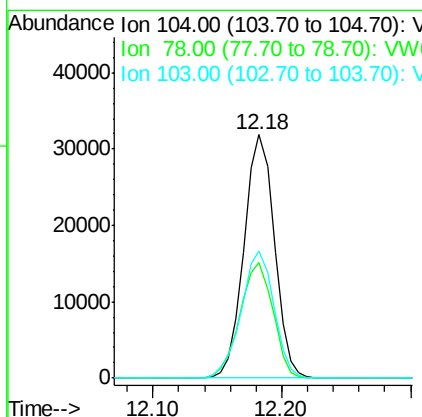
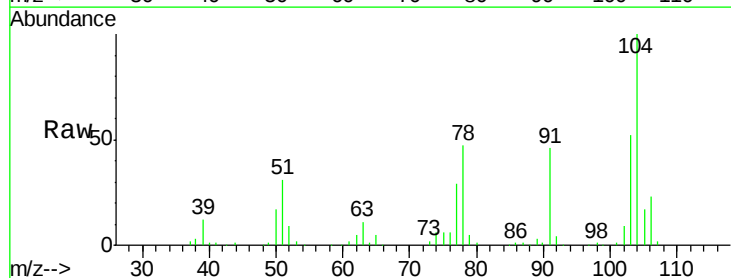
Manual Integrations
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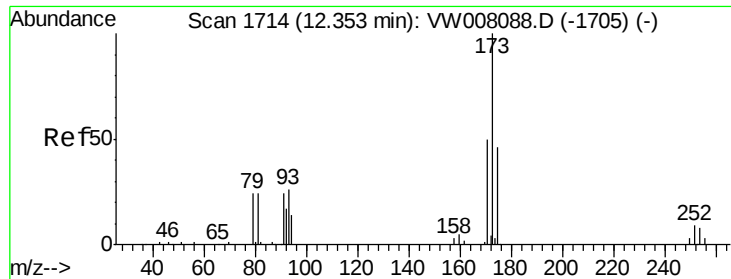
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#70
Styrene
Concen: 21.050 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion:104 Resp: 51964
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 56.2 43.8 65.8





#71

Bromoform

Concen: 21.940 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

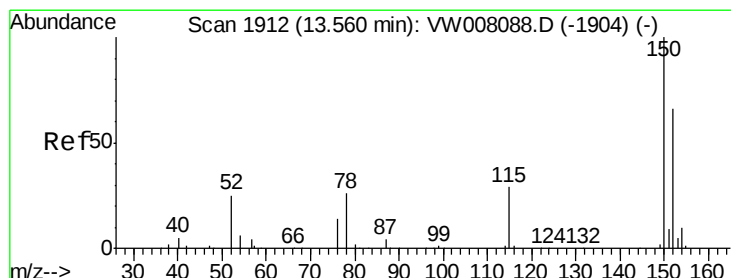
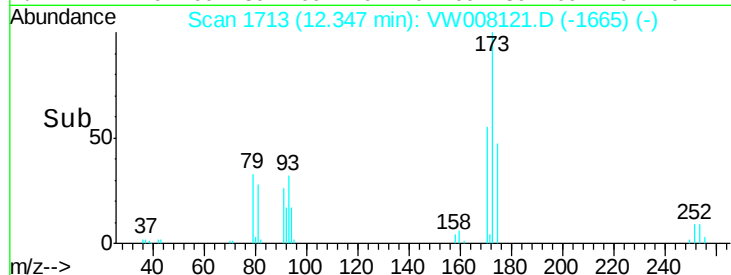
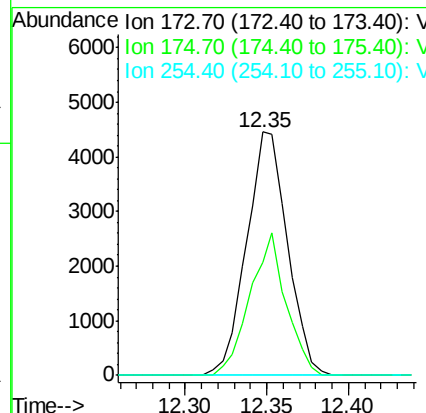
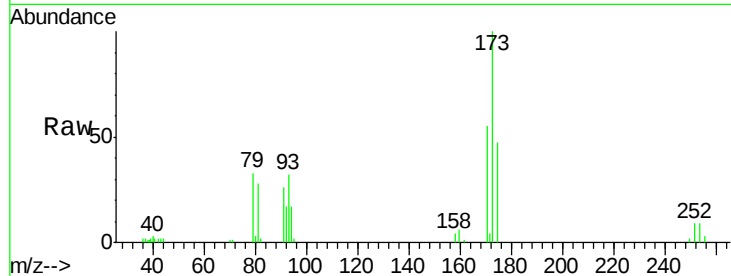
ClientSampleId :

VW0109SBS02

Tot Ion:	173	Resp:	7783
Ion	Ratio	Lower	Upper
173	100		
175	51.8	23.3	69.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

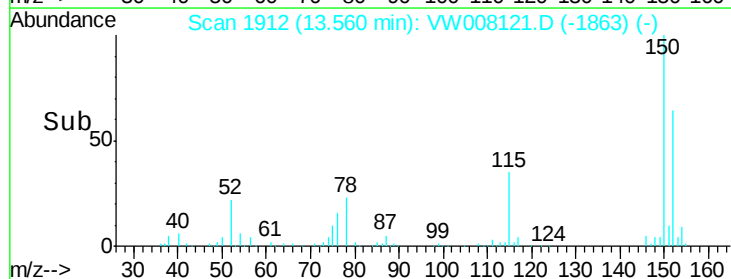
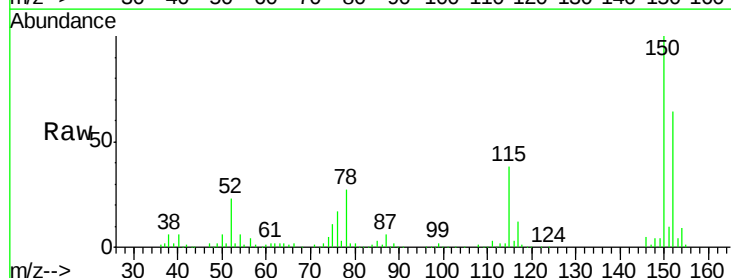
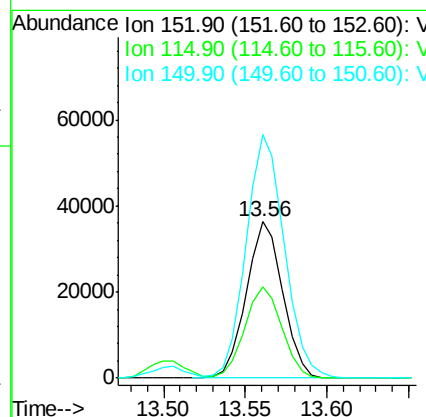
RT: 13.56 min Scan# 1912

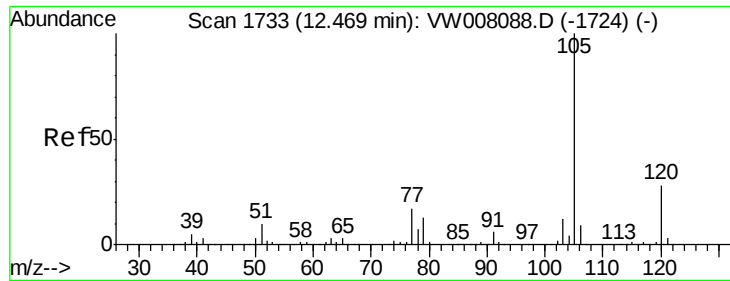
Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Tgt Ion:	152	Resp:	56367
Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.8	92.4
150	164.2	0.0	350.2





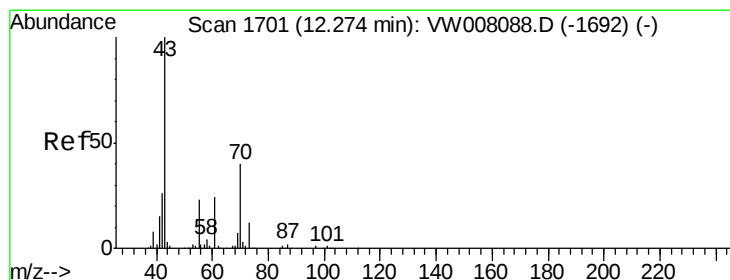
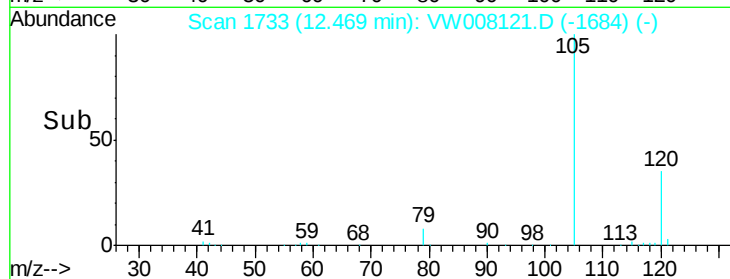
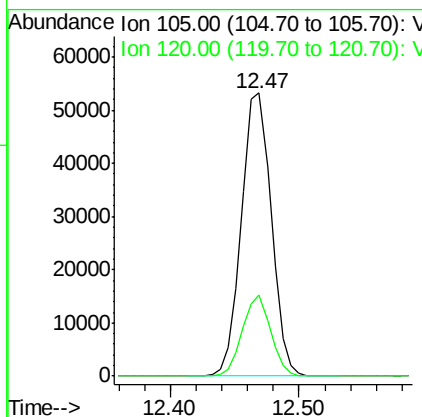
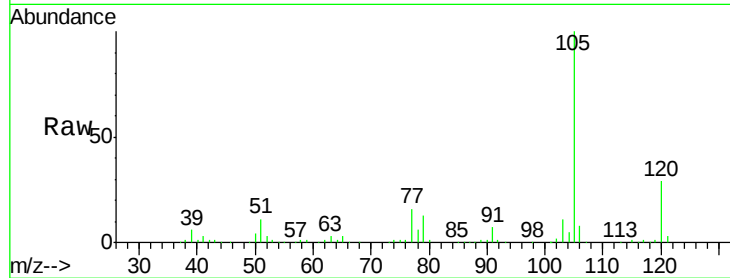
#73
Isopropylbenzene
Concen: 19.258 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion:105 Resp: 85225
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.8

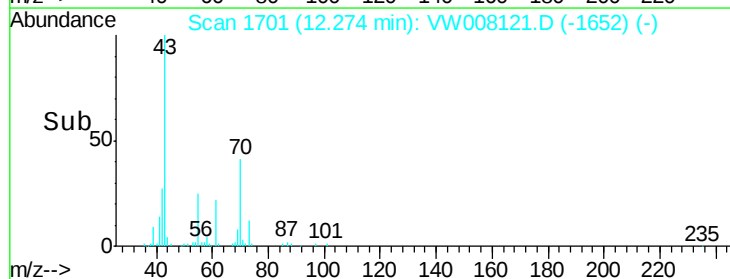
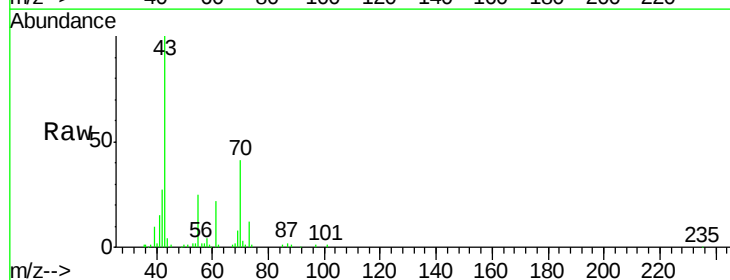
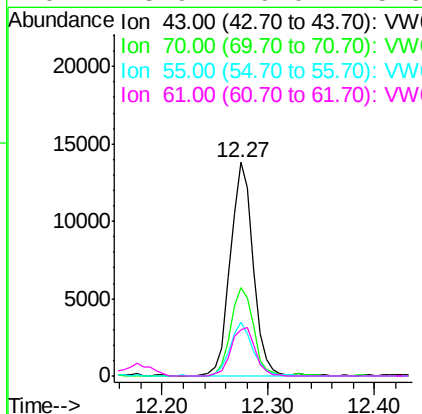
Manual Integrations
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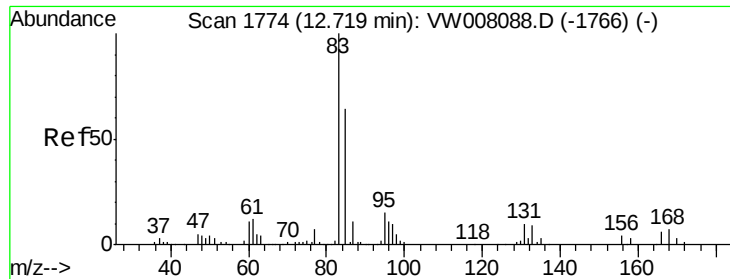
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#74
N-ethyl acetate
Concen: 21.366 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion: 43 Resp: 20939
Ion Ratio Lower Upper
43 100
70 40.9 32.4 48.6
55 25.1 18.7 28.1
61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.227 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

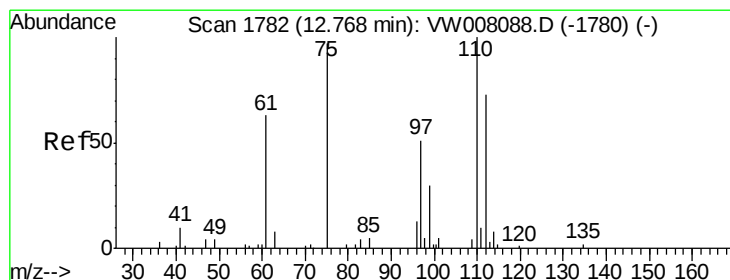
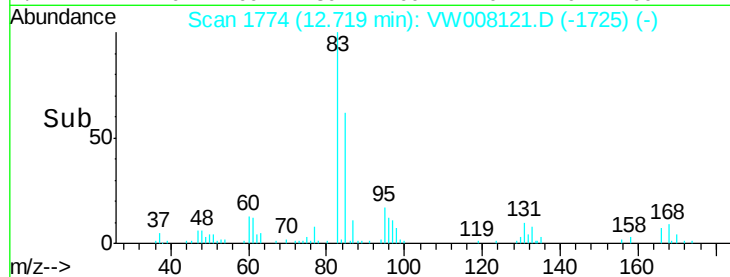
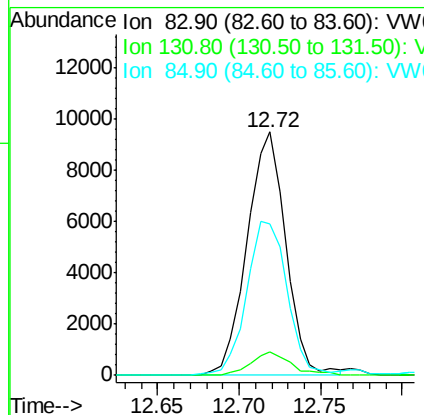
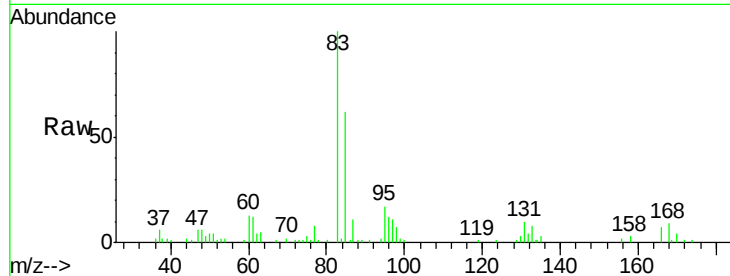
ClientSampleId :

VW0109SBS02

Tot Ion:	83	Resp:	15744
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.3	16.1
85	65.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 26.422 ug/l m

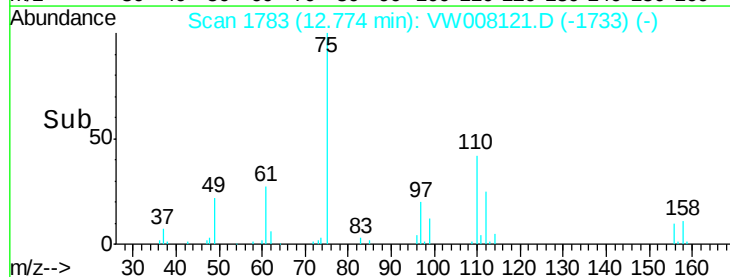
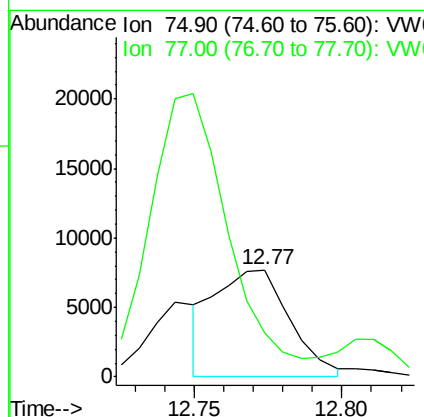
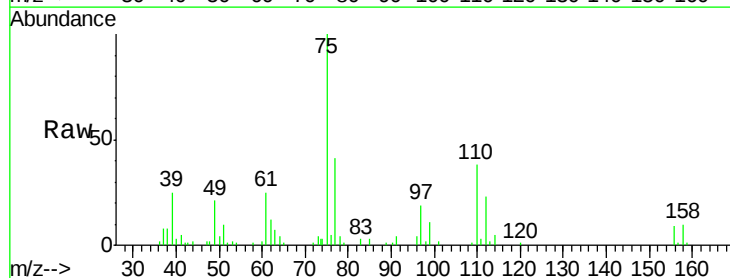
RT: 12.77 min Scan# 1783

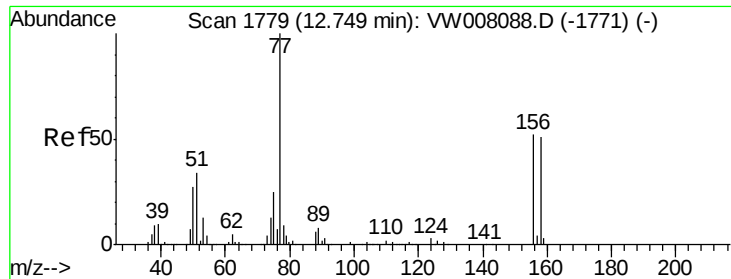
Delta R.T. 0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Tgt Ion:	75	Resp:	13577
Ion Ratio	Lower	Upper	
75	100		
77	0.0	179.4	538.2#





#77

Bromobenzene

Concen: 20.794 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

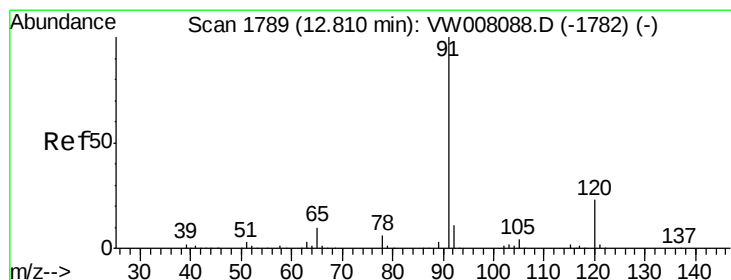
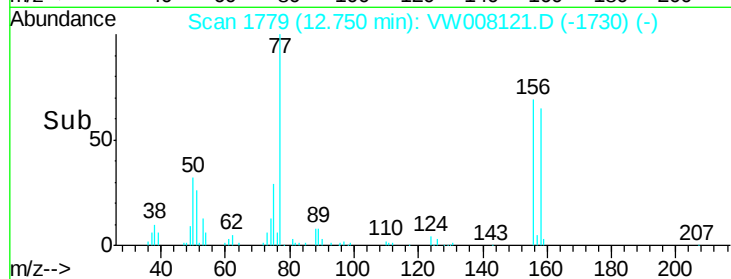
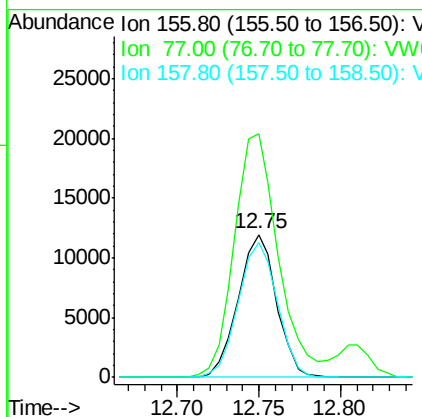
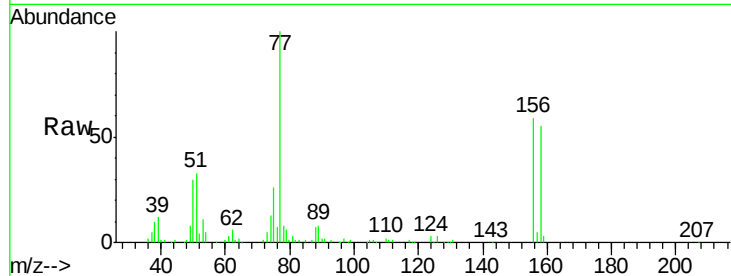
ClientSampleId :

VW0109SBS02

Tot Ion	156	Resp	19444
Ion Ratio	Lower	Upper	
156	100		
77	195.5	104.2	312.5
158	96.7	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.553 ug/l

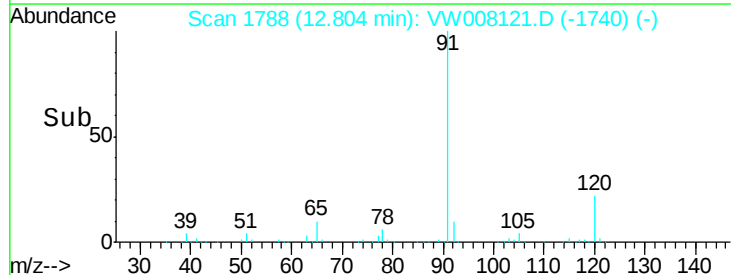
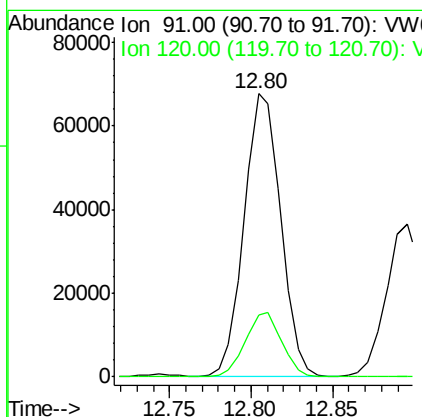
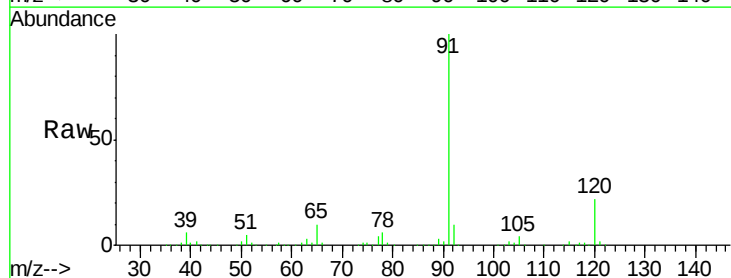
RT: 12.80 min Scan# 1788

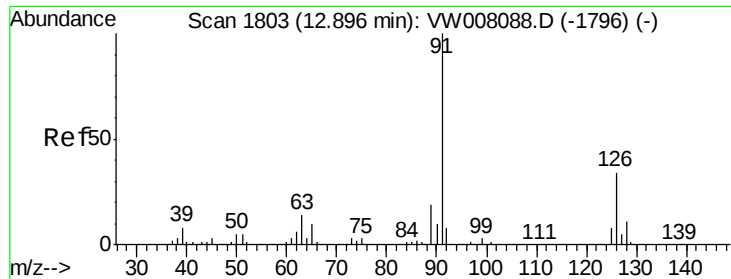
Delta R.T. -0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Tgt Ion	91	Resp	106021
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.533 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS02

Tot Ion: 91 Resp: 59091

Ion Ratio Lower Upper

91 100

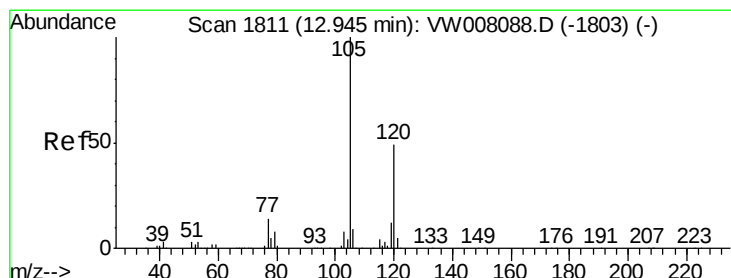
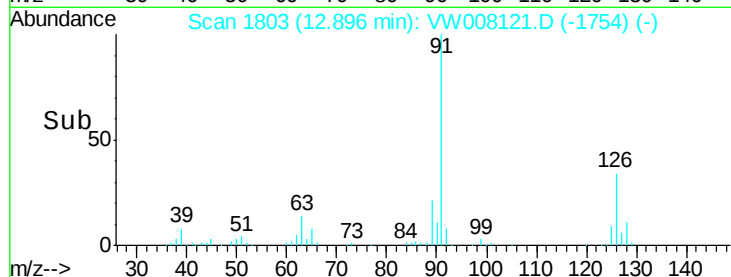
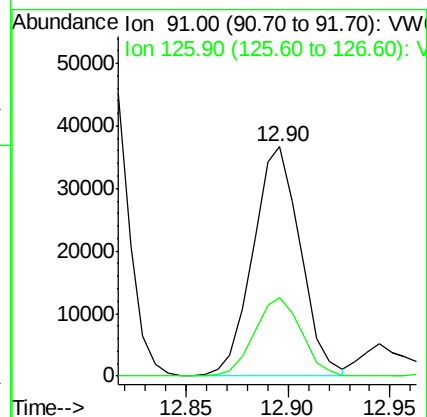
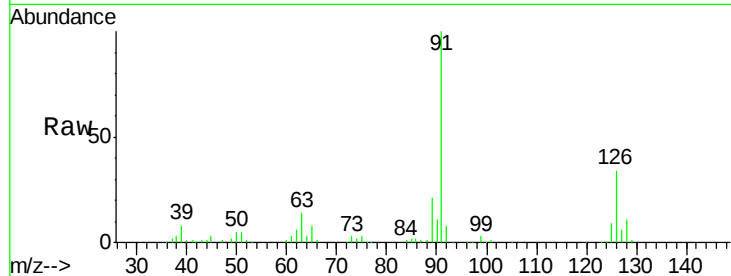
126 34.0 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.780 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008121.D

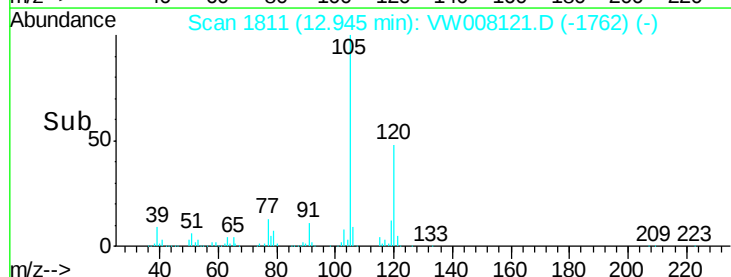
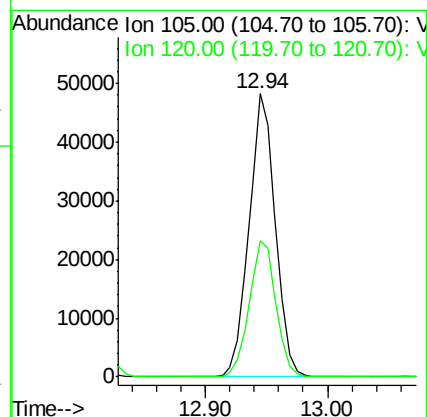
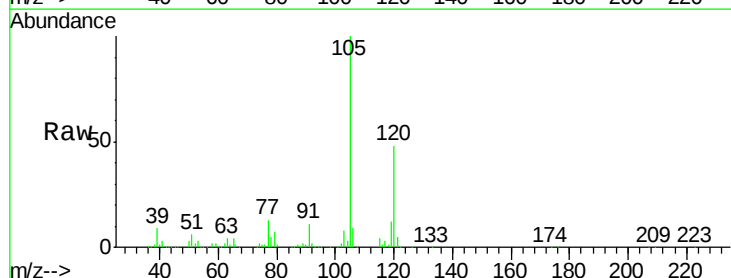
Acq: 10 Jan 2019 00:59

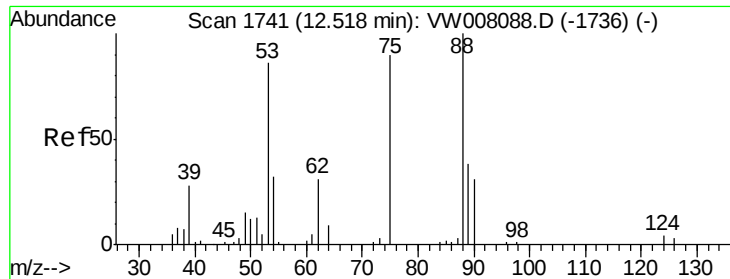
Tgt Ion: 105 Resp: 71930

Ion Ratio Lower Upper

105 100

120 48.7 24.7 74.1





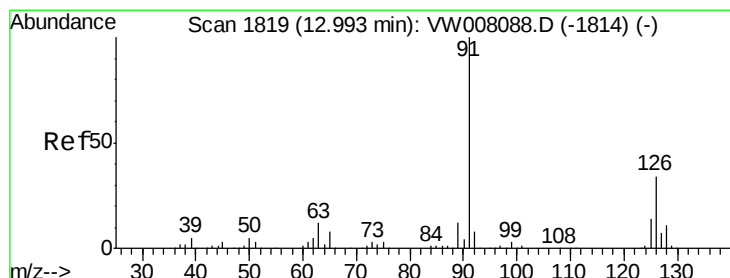
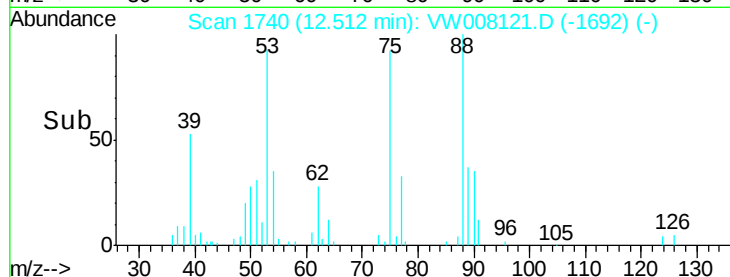
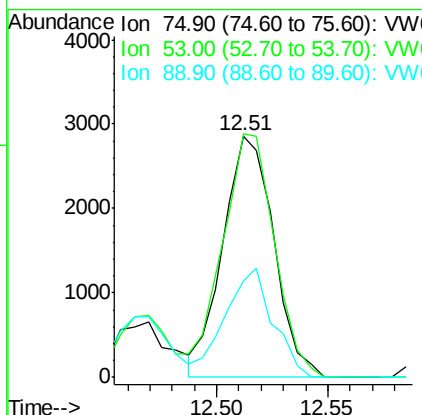
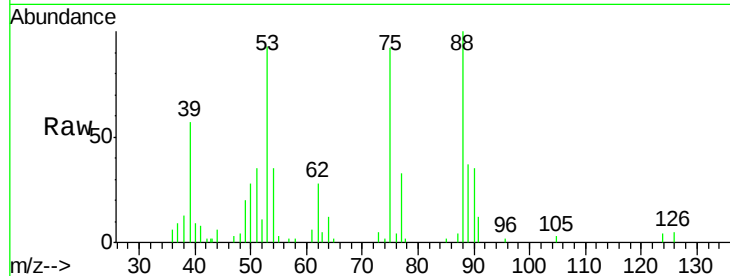
#81
trans-1,4-Dichloro-2-butene
Concen: 20.652 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.4	78.8	118.2
89	42.4	35.4	53.2

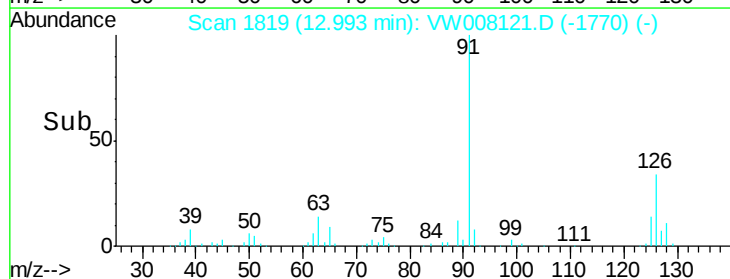
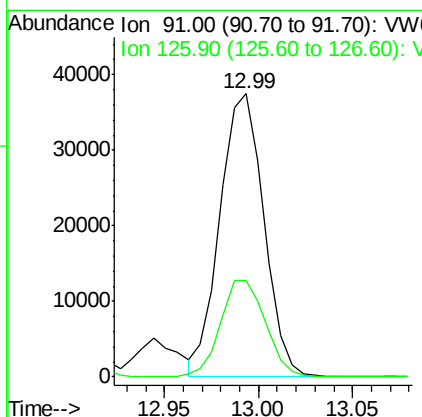
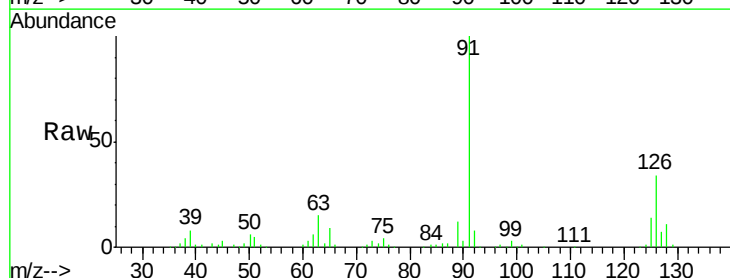
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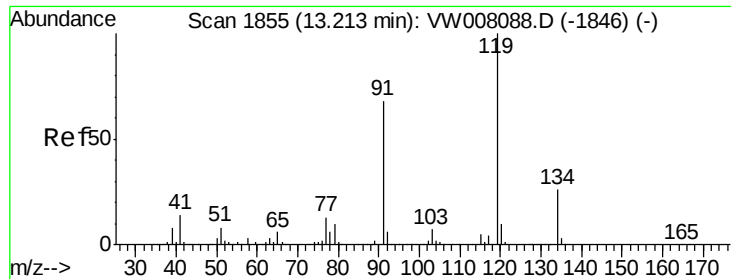
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#82
4-Chlorotoluene
Concen: 19.023 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.5	49.5





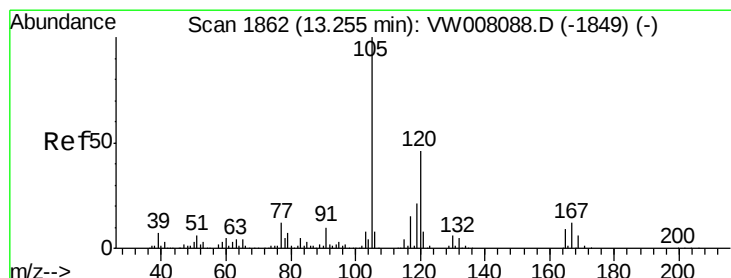
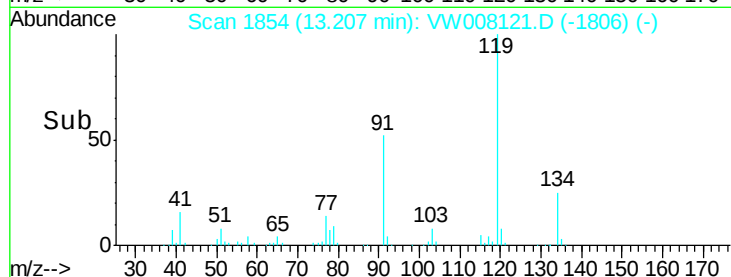
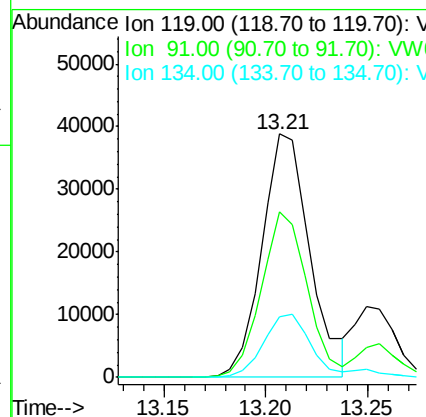
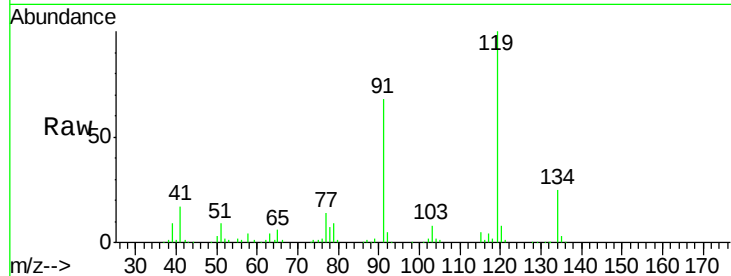
#83
tert-Butylbenzene
Concen: 19.853 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion:119 Resp: 63873
Ion Ratio Lower Upper
119 100
91 64.7 33.9 101.6
134 25.1 13.6 40.8

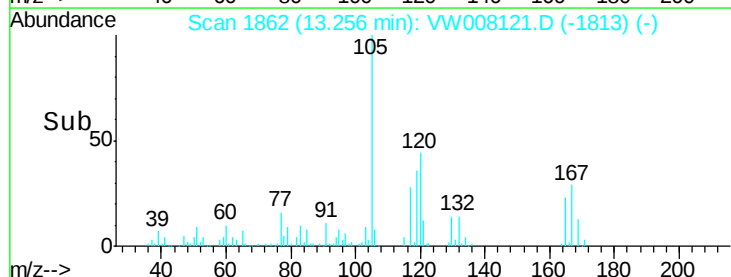
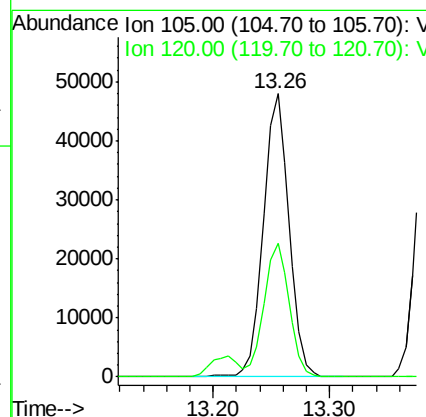
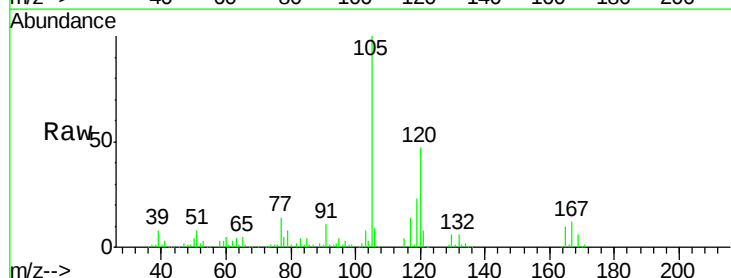
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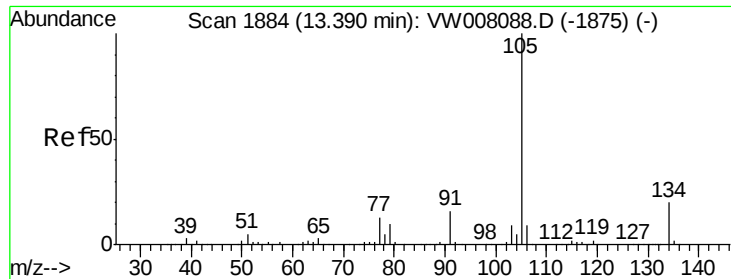
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#84
1,2,4-Trimethylbenzene
Concen: 19.657 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion:105 Resp: 73725
Ion Ratio Lower Upper
105 100
120 46.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.688 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS02

Tot Ion:105 Resp: 92784

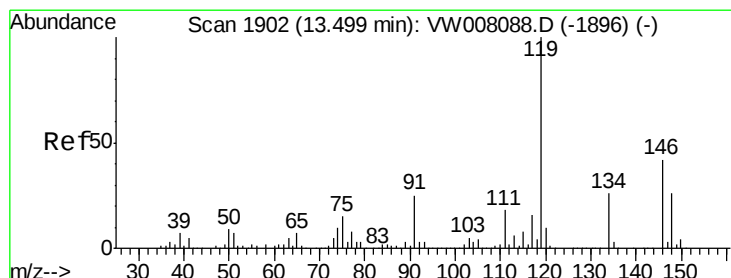
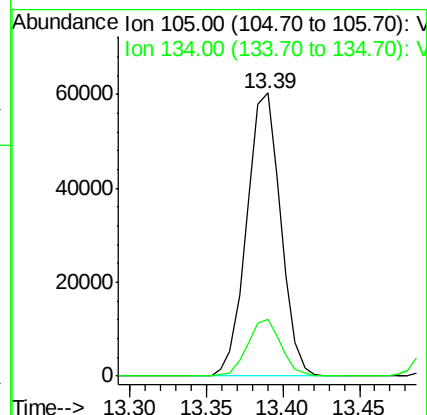
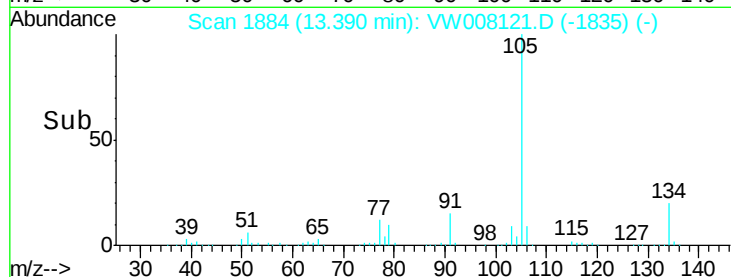
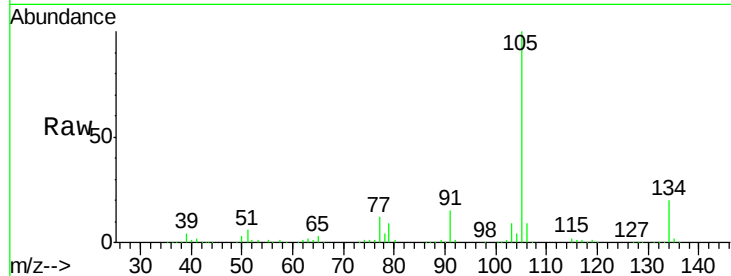
Ion Ratio Lower Upper

105 100

134 19.8 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 19.511 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008121.D

Acq: 10 Jan 2019 00:59

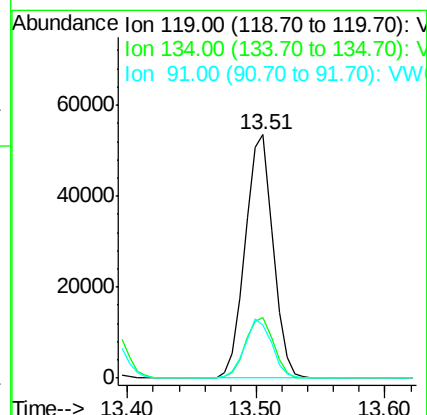
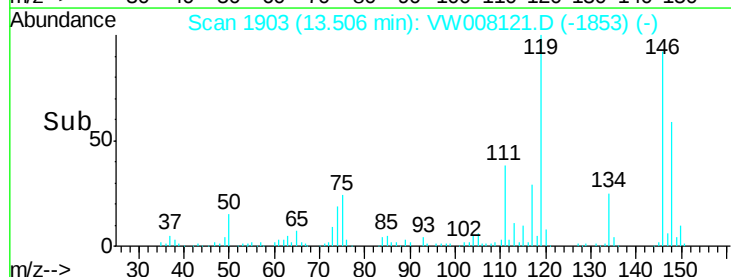
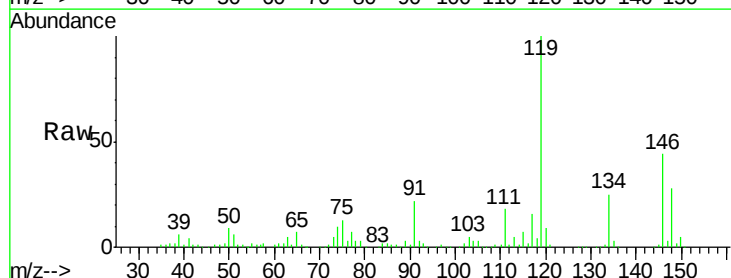
Tgt Ion:119 Resp: 79401

Ion Ratio Lower Upper

119 100

134 25.3 13.3 39.8

91 23.7 12.3 36.9





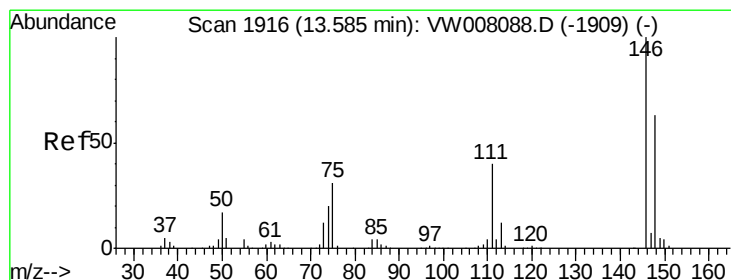
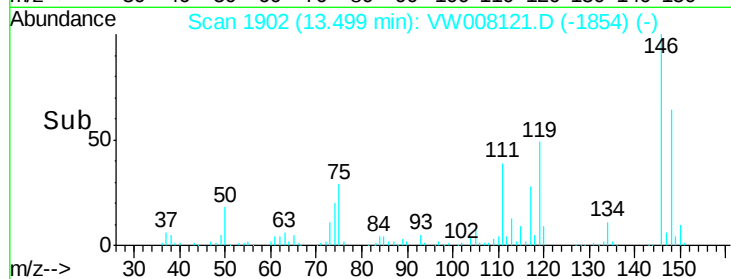
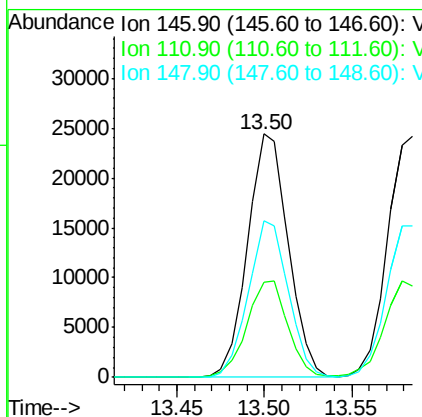
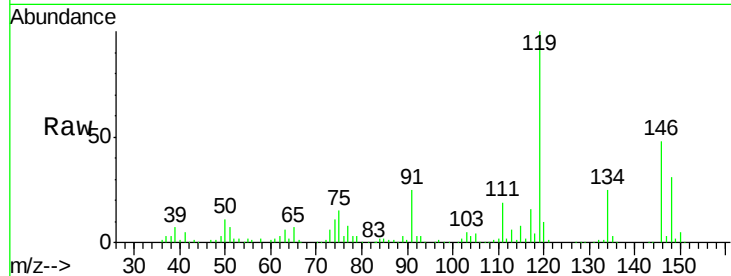
#87
 1,3-Dichlorobenzene
 Concen: 20.820 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.1	63.1
148	63.2	31.3	93.9

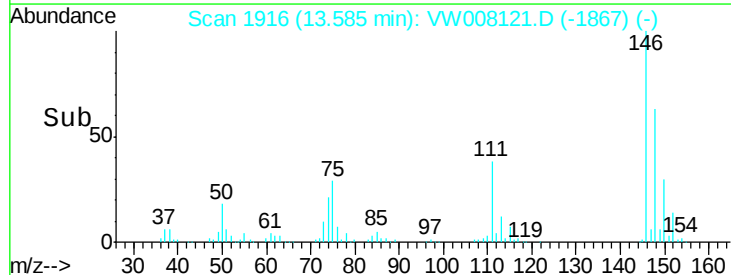
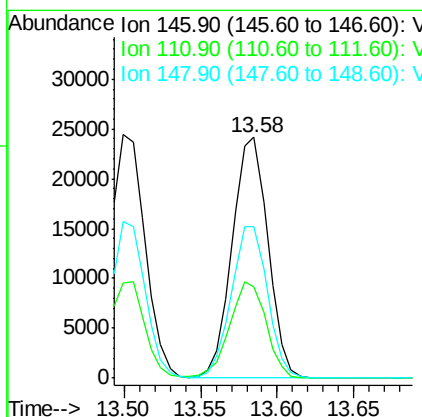
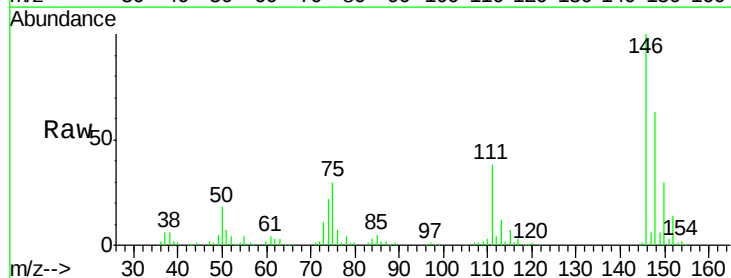
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#88
 1,4-Dichlorobenzene
 Concen: 20.643 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.8	31.6	94.8





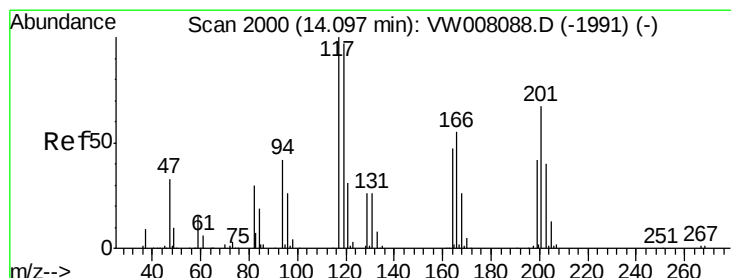
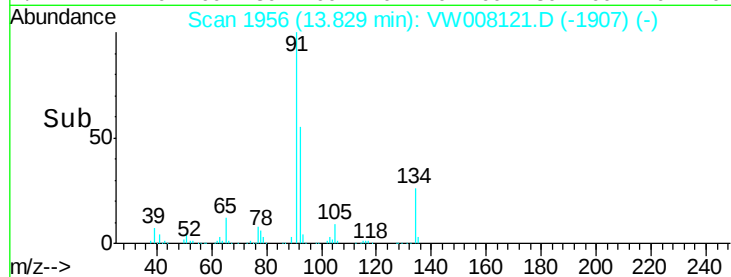
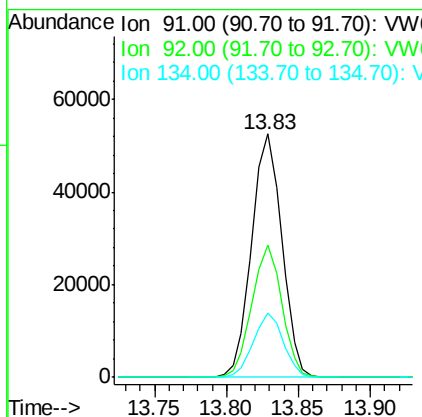
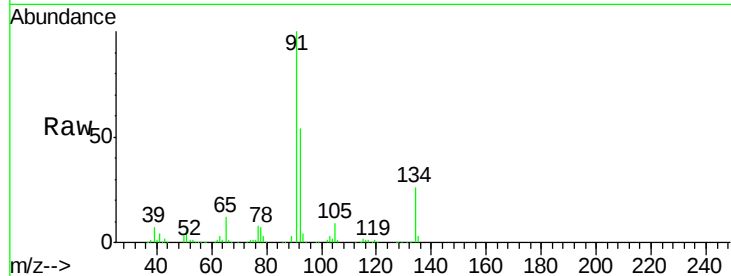
#89
n-Butylbenzene
Concen: 19.111 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

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

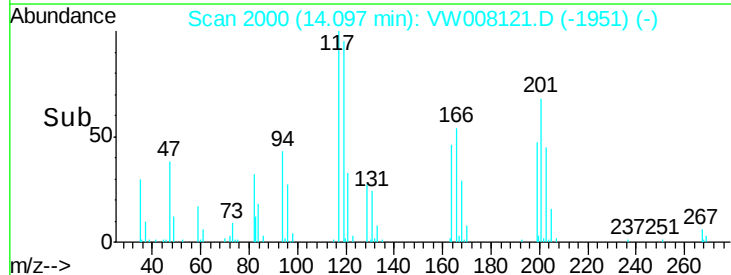
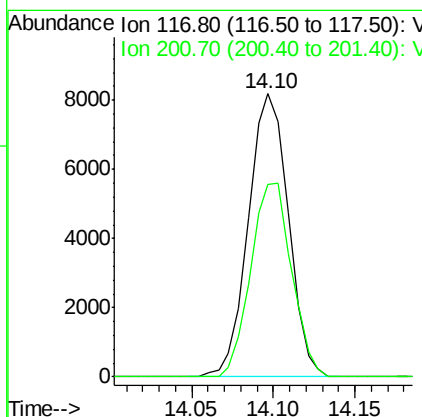
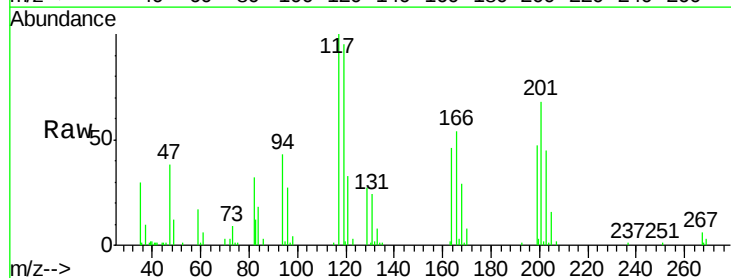
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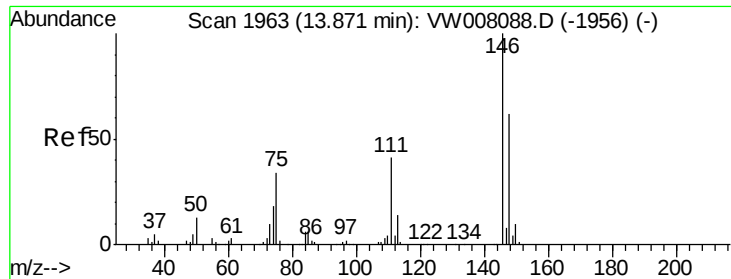
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#90
Hexachloroethane
Concen: 20.251 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	33.0	98.9





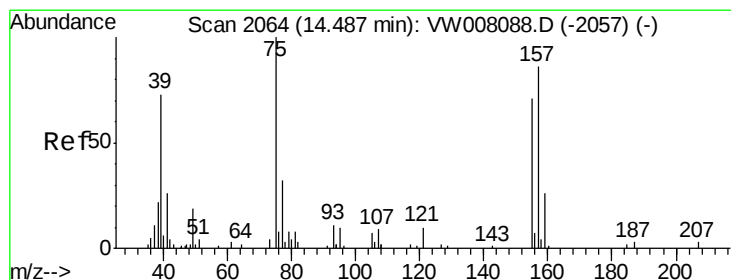
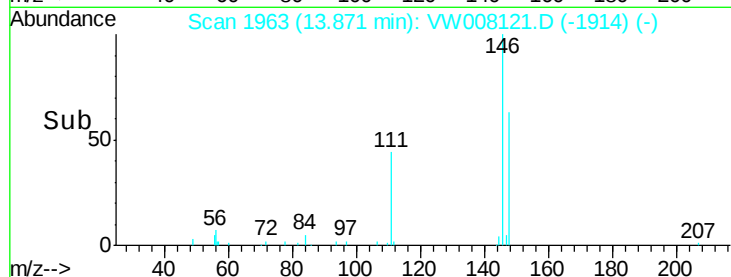
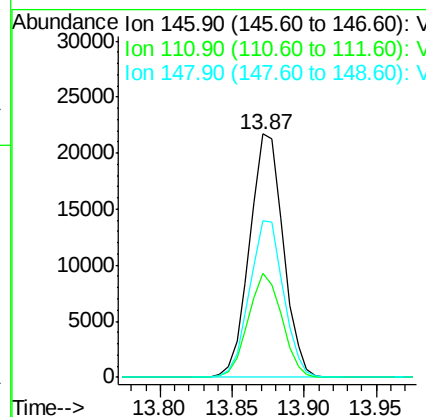
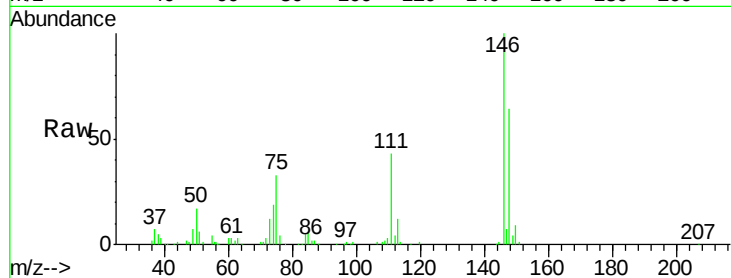
#91
 1,2-Dichlorobenzene
 Concen: 21.026 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.7
148	64.8	31.5	94.5

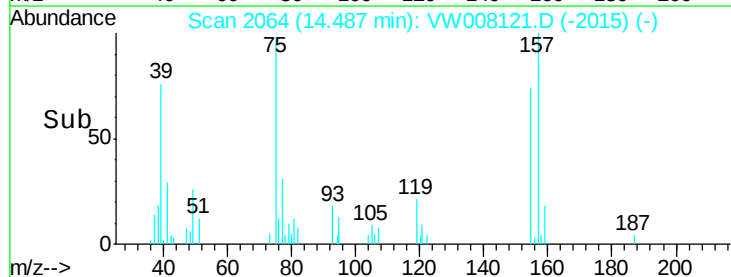
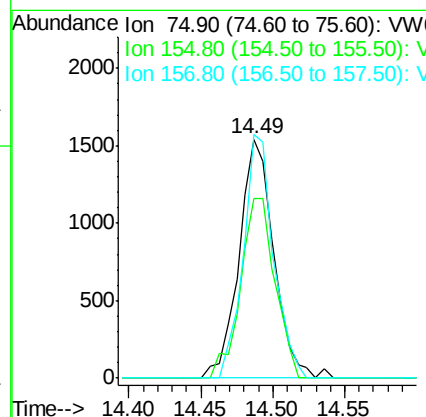
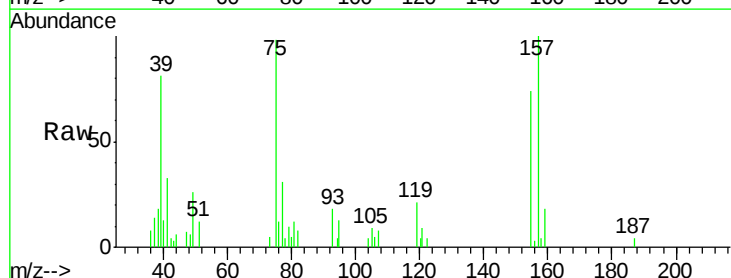
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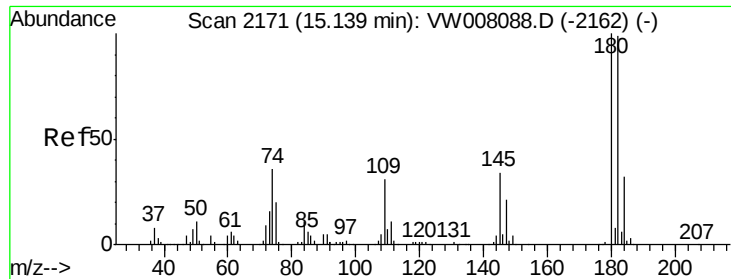
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.747 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	38.6	115.7
157	88.3	47.5	142.6





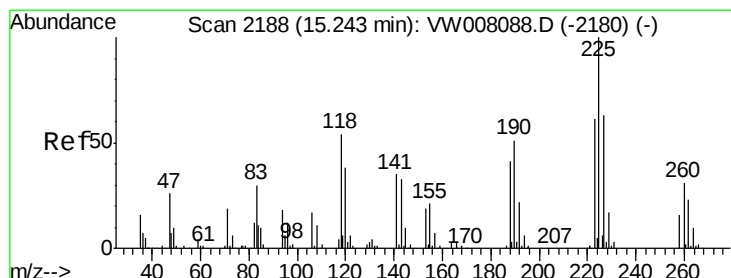
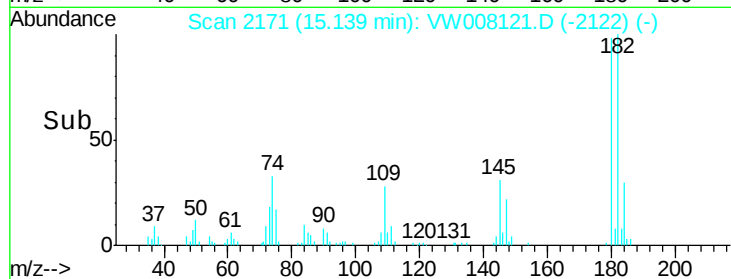
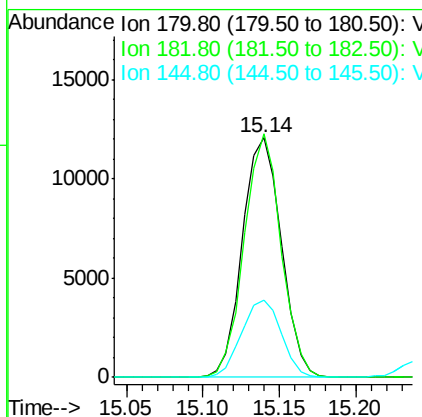
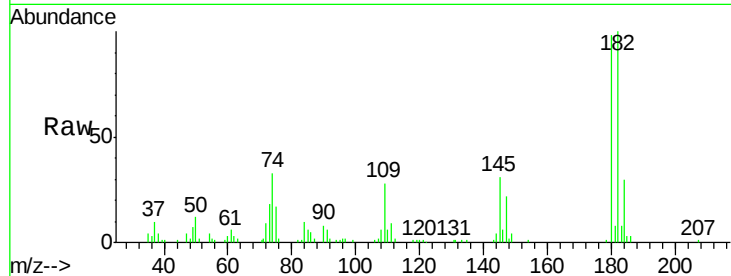
#93
 1,2,4-Trichlorobenzene
 Concen: 19.309 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	21370		
182	96.3	48.6	145.9	
145	32.8	16.6	49.7	

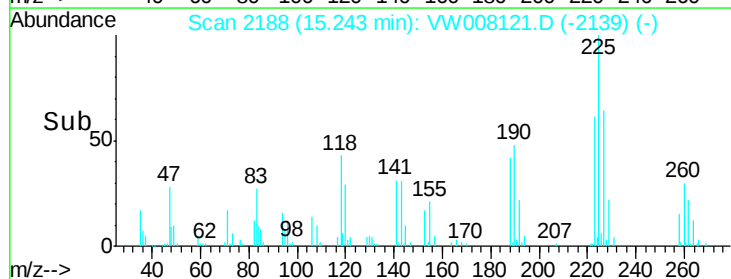
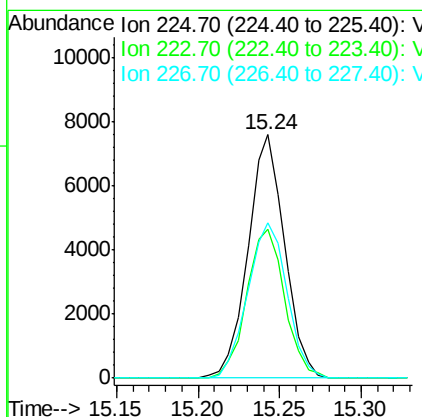
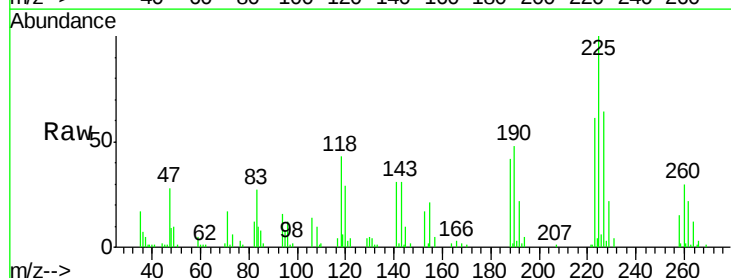
Manual Integrations
 APPROVED

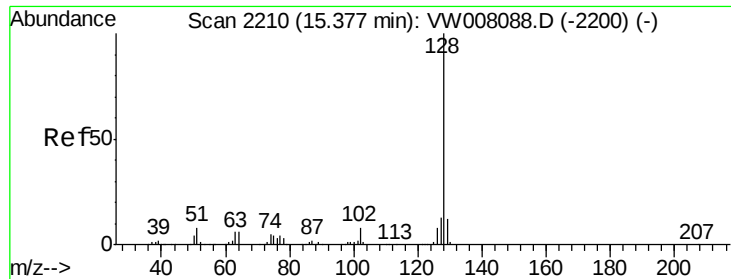
MMDadoda
 1/10/2019 5:06:19 PM



#94
 Hexachlorobutadiene
 Concen: 20.001 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008121.D
 Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11848		
223	63.5	31.4	94.3	
227	68.6	32.0	96.2	





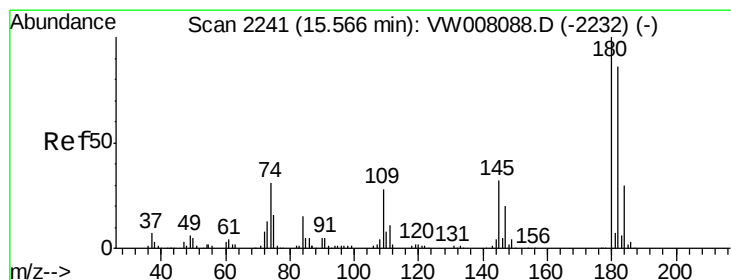
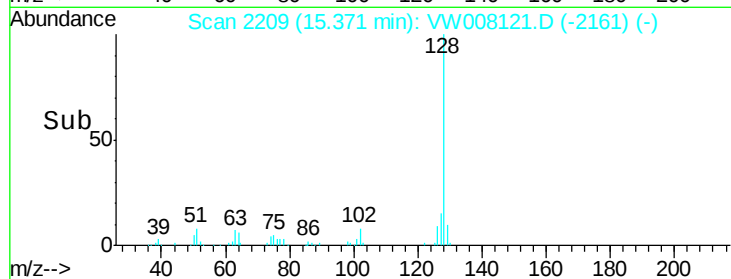
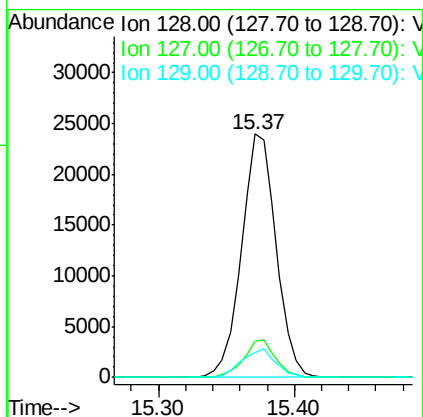
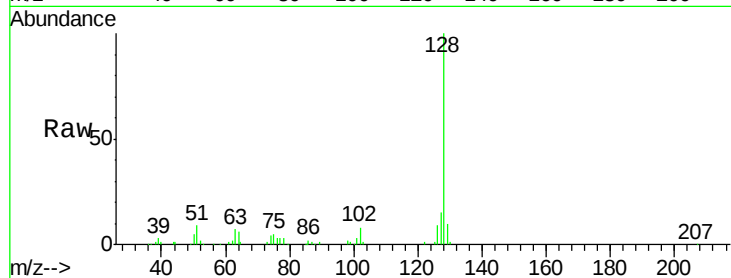
#95
Naphthalene
Concen: 20.573 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.0	16.4
129	11.5	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 5:06:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.770 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008121.D
Acq: 10 Jan 2019 00:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	46.5	139.3
145	31.3	17.4	52.2

