

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010608.D
 Acq On : 30 May 2019 11:56
 Operator : SY/VA
 Sample : VW0530SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/1/2019 4:27:14 AM

Quant Time: May 31 07:58:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	129834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	66505	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	7.88	113	68823	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	10.32	98	271173	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.62	95	103992	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	18716	15.991	ug/l	94
3) Chloromethane	2.21	50	20931	15.344	ug/l	99
4) Vinyl Chloride	2.36	62	23668	14.979	ug/l	98
5) Bromomethane	2.76	94	22091	20.322	ug/l	96
6) Chloroethane	2.91	64	17329	17.084	ug/l	97
7) Trichlorofluoromethane	3.25	101	48569	20.820	ug/l	97
8) Diethyl Ether	3.68	74	13927	18.833	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	30745	21.401	ug/l	99
10) Methyl Iodide	4.27	142	22797	13.883	ug/l	98
11) Tert butyl alcohol	5.18	59	10412	86.377	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	27511	20.061	ug/l	95
13) Acrolein	3.90	56	5615	63.278	ug/l	99
14) Allyl chloride	4.67	41	37772	19.028	ug/l	98
15) Acrylonitrile	5.38	53	26092	84.250	ug/l	97
16) Acetone	4.13	43	24074	88.007	ug/l	100
17) Carbon Disulfide	4.37	76	70356	17.200	ug/l	98
18) Methyl Acetate	4.68	43	12447	18.605	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	65063	18.610	ug/l	98
20) Methylene Chloride	4.91	84	28993	14.459	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	32401	20.598	ug/l	95
22) Diisopropyl ether	6.31	45	80004	19.655	ug/l	95
23) Vinyl Acetate	6.26	43	214060	88.040	ug/l	100
24) 1,1-Dichloroethane	6.21	63	50954	20.977	ug/l	98
25) 2-Butanone	7.17	43	33644	85.943	ug/l	97
26) 2,2-Dichloropropane	7.17	77	49943	21.585	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	35924	21.006	ug/l	99
28) Bromochloromethane	7.51	49	19137	22.005	ug/l	94
29) Tetrahydrofuran	7.53	42	20491	77.354	ug/l	99
30) Chloroform	7.68	83	55485	21.177	ug/l	99
31) Cyclohexane	7.95	56	49764	19.559	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	52326	20.896	ug/l	97
36) 1,1-Dichloropropene	8.08	75	44158	21.781	ug/l	99
37) Ethyl Acetate	7.25	43	15856	18.392	ug/l	99
38) Carbon Tetrachloride	8.07	117	47769	21.843	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57168	21.048	ug/l	99
40) Benzene	8.32	78	122974	21.824	ug/l	98
41) Methacrylonitrile	7.48	41	6977	13.620	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	33584	20.853	ug/l	100
43) Isopropyl Acetate	8.42	43	29313	17.020	ug/l	96
44) Trichloroethene	9.09	130	37387	22.349	ug/l	97
45) 1,2-Dichloropropane	9.37	63	28344	21.180	ug/l	97
46) Dibromomethane	9.46	93	16002	20.446	ug/l	97
47) Bromodichloromethane	9.64	83	40422	20.553	ug/l	98
48) Methyl methacrylate	9.44	41	13154	16.694	ug/l	94
49) 1,4-Dioxane	9.45	88	3544	277.201	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	74993	85.929	ug/l	99
52) Toluene	10.39	92	83854	22.159	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38109	19.132	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	46536	20.457	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	23476	20.859	ug/l	100
56) Ethyl methacrylate	10.65	69	27714	17.855	ug/l	99
57) 1,3-Dichloropropane	10.93	76	38608	20.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	67749	98.543	ug/l	98
59) 2-Hexanone	10.97	43	50770	81.550	ug/l	98
60) Dibromochloromethane	11.13	129	28531	20.031	ug/l	100
61) 1,2-Dibromoethane	11.24	107	23181	20.333	ug/l	99
64) Tetrachloroethene	10.87	164	30388	22.575	ug/l	93
65) Chlorobenzene	11.66	112	91856	22.320	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	32364	21.953	ug/l	99
67) Ethyl Benzene	11.73	91	160767	22.126	ug/l	100
68) m/p-Xylenes	11.84	106	126119	44.253	ug/l	99
69) o-Xylene	12.16	106	58752	21.758	ug/l	100
70) Styrene	12.18	104	98700	21.543	ug/l	99
71) Bromoform	12.35	173	14922	18.380	ug/l #	98
73) Isopropylbenzene	12.46	105	163332	22.046	ug/l	100
74) N-amyl acetate	12.27	43	27184	16.012	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	25049	18.588	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13754m	14.513	ug/l	
77) Bromobenzene	12.75	156	37833	22.819	ug/l	95
78) n-propylbenzene	12.80	91	187688	21.738	ug/l	100
79) 2-Chlorotoluene	12.90	91	107951	21.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	135622	21.614	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7152	15.750	ug/l	93
82) 4-Chlorotoluene	12.99	91	113851	21.907	ug/l	99
83) tert-Butylbenzene	13.21	119	118974	21.707	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	135425	21.670	ug/l	100
85) sec-Butylbenzene	13.38	105	165716	21.605	ug/l	100
86) p-Isopropyltoluene	13.50	119	150733	21.711	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	72169	22.187	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	71884	22.026	ug/l	98
89) n-Butylbenzene	13.83	91	138660	20.997	ug/l	99
90) Hexachloroethane	14.10	117	27817	20.700	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	64076	21.620	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3996	15.948	ug/l	98

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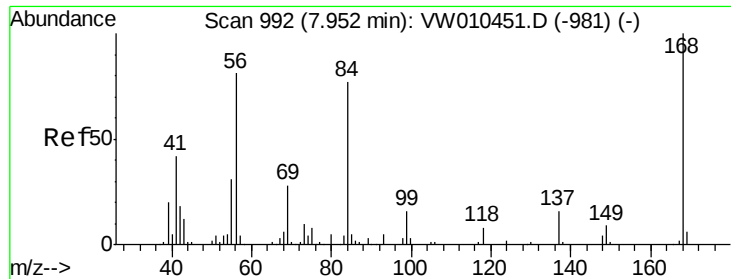
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	41320	20.491	ug/l	99
94) Hexachlorobutadiene	15.24	225	23987	22.266	ug/l	99
95) Naphthalene	15.37	128	72288	17.077	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	35198	20.285	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion:168 Resp: 129834

Ion Ratio Lower Upper

168 100

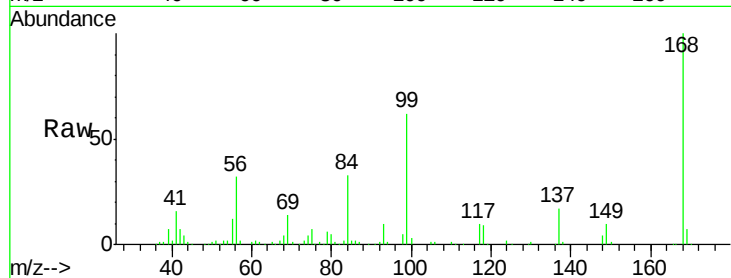
99 62.3 46.1 69.1

Manual Integrations

APPROVED

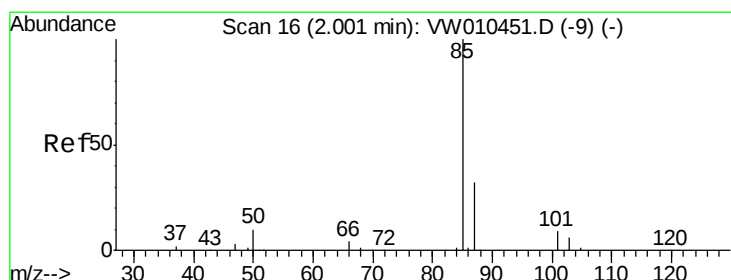
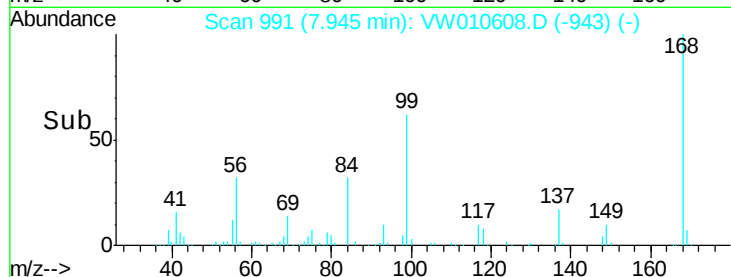
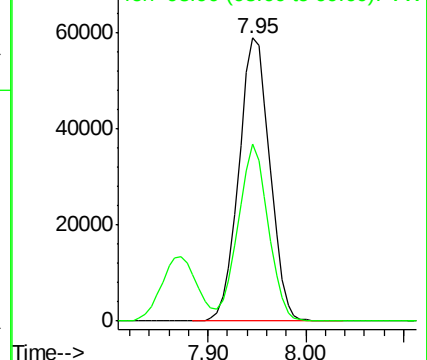
MMDadoda

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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: 15.991 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010608.D

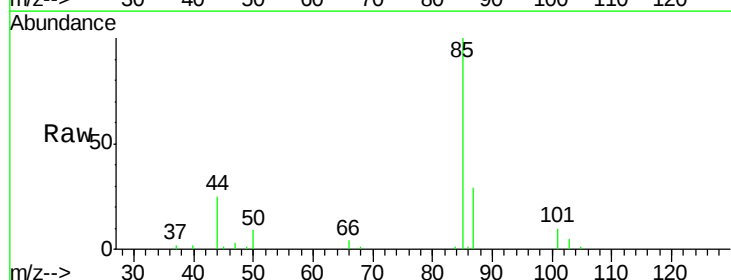
Acq: 30 May 2019 11:56

Tgt Ion: 85 Resp: 18716

Ion Ratio Lower Upper

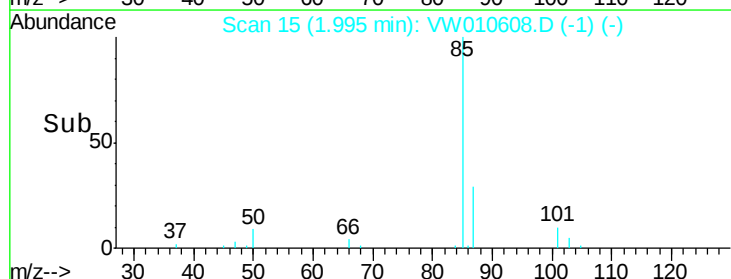
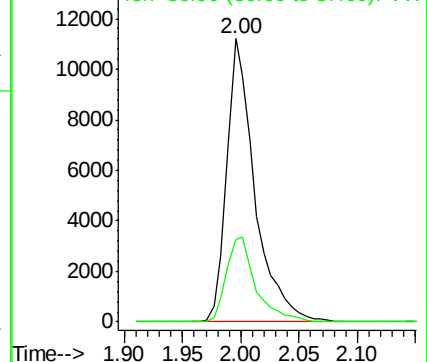
85 100

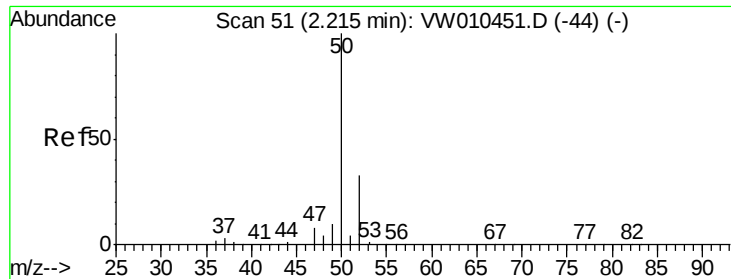
87 29.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.344 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

VW0530SBS01

Tot Ion: 50 Resp: 20931

Ion Ratio Lower Upper

50 100

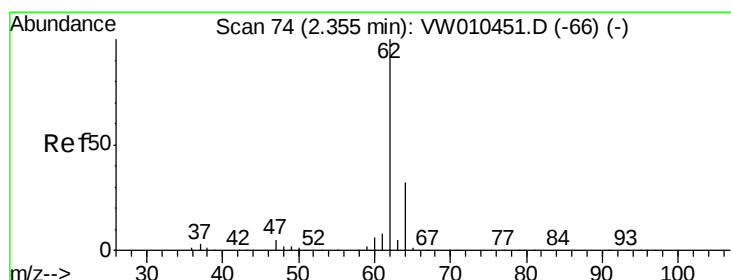
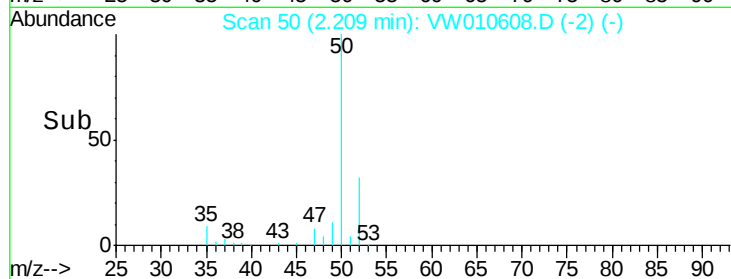
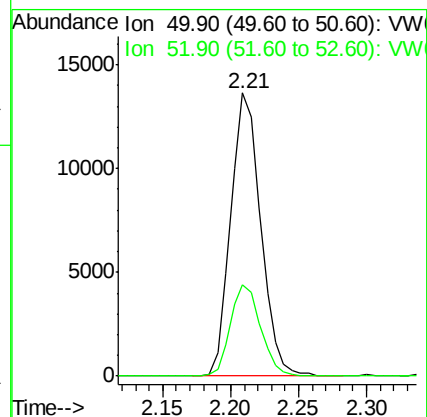
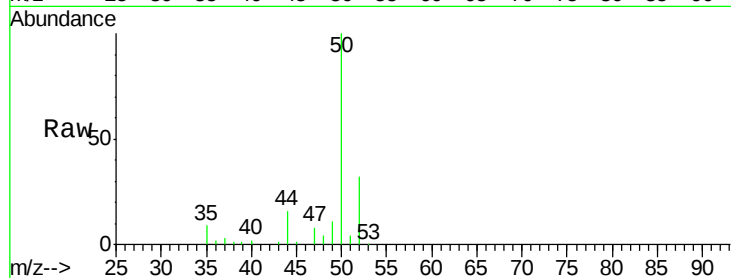
52 32.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 14.979 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010608.D

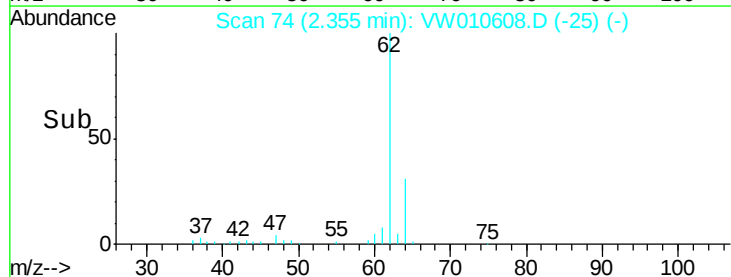
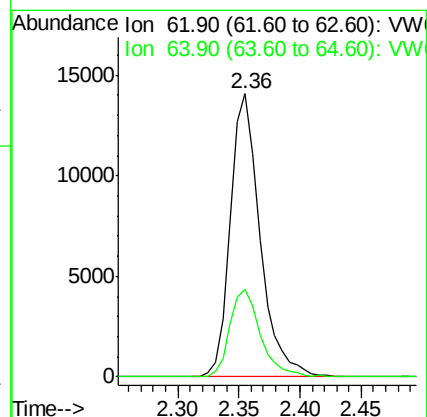
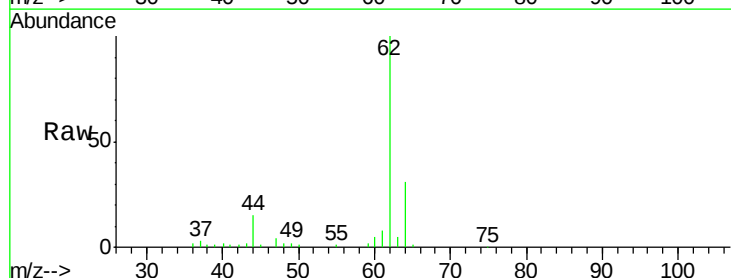
Acq: 30 May 2019 11:56

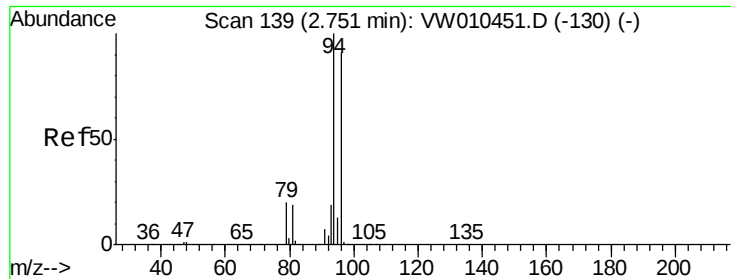
Tgt Ion: 62 Resp: 23668

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 20.322 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

VW0530SBS01

Tot Ion: 94 Resp: 22091

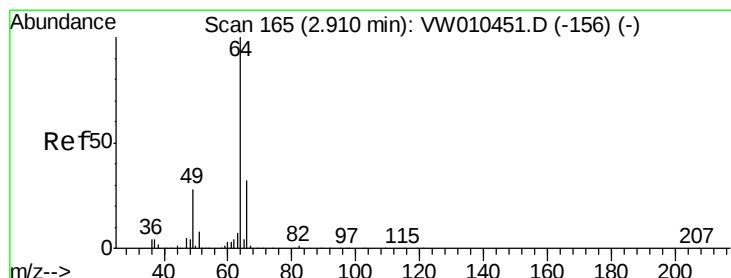
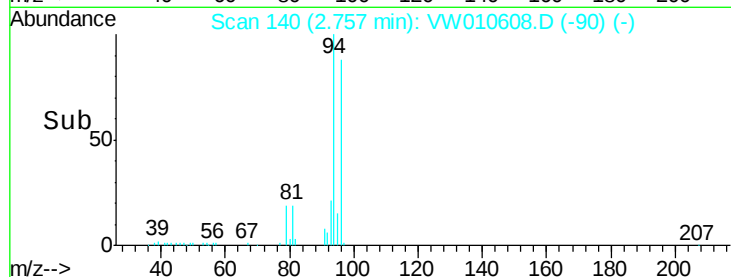
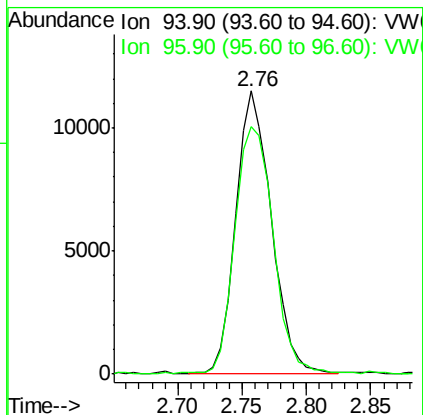
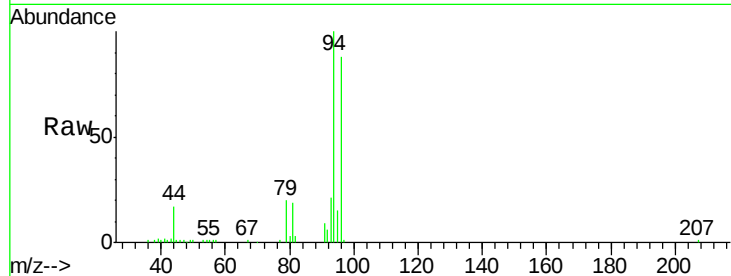
Ion Ratio Lower Upper

94 100

96 86.9 72.9 109.3

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#6

Chloroethane

Concen: 17.084 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010608.D

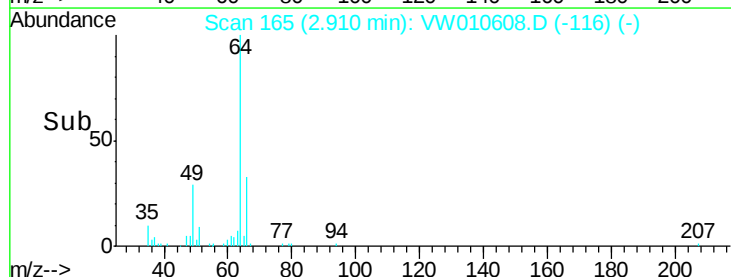
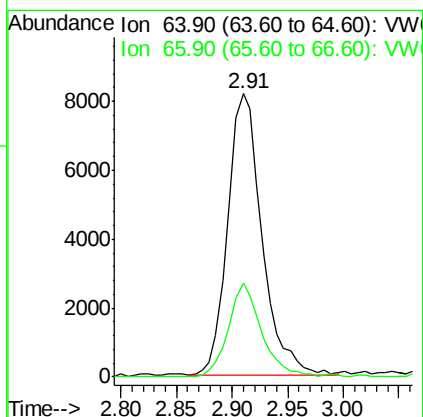
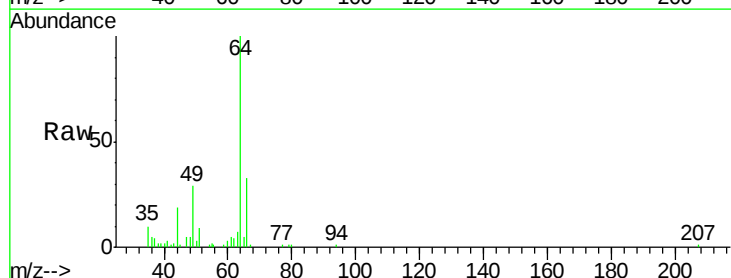
Acq: 30 May 2019 11:56

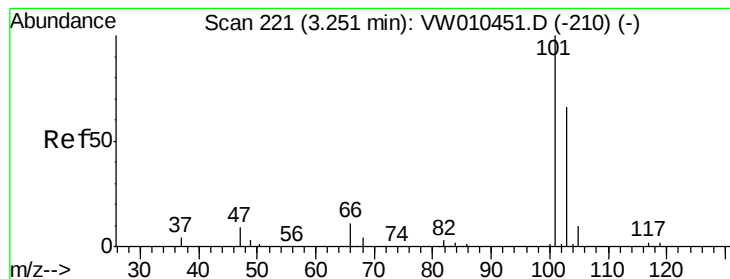
Tgt Ion: 64 Resp: 17329

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3





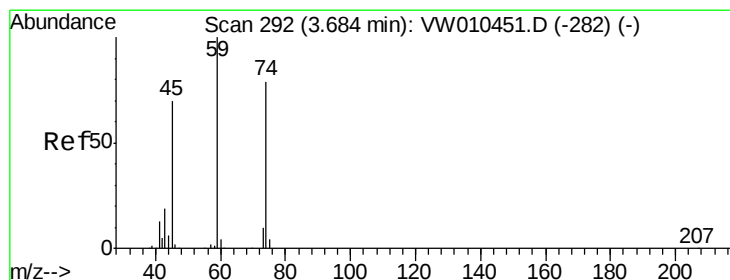
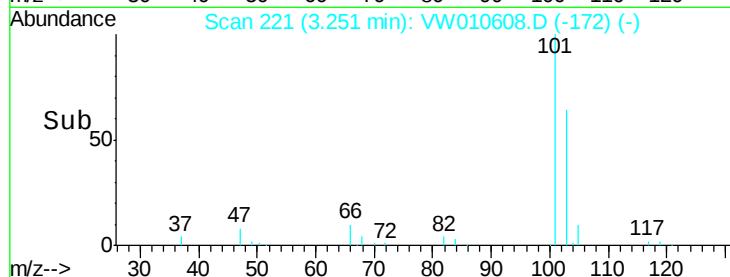
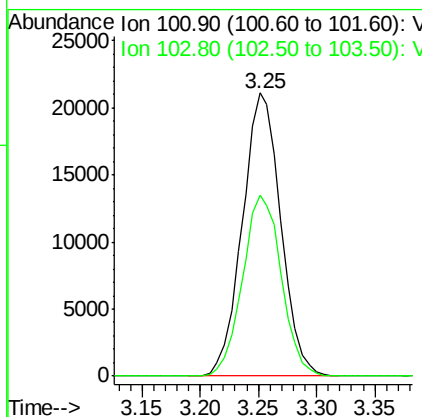
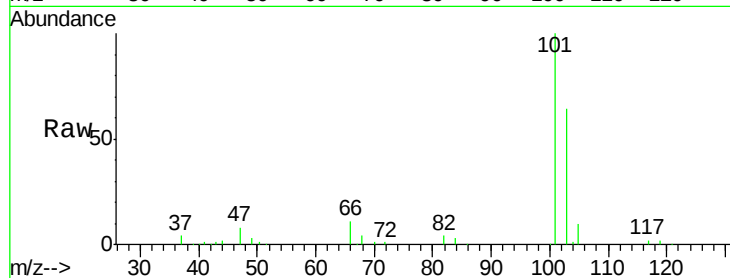
#7
 Trichlorofluoromethane
 Concen: 20.820 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion:101 Resp: 48569
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.0 79.4

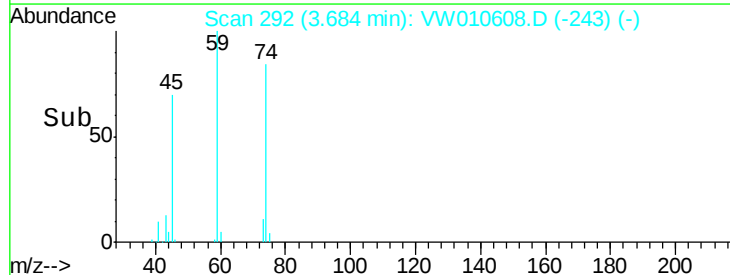
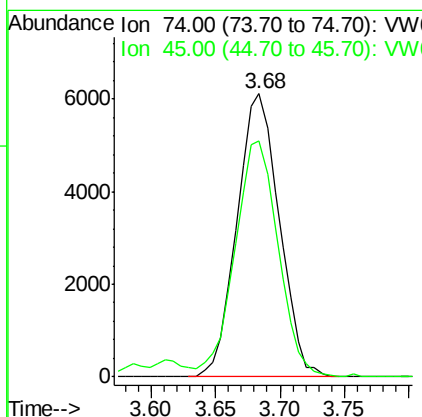
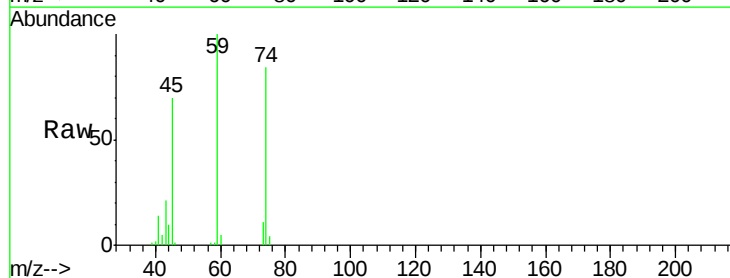
Manual Integrations
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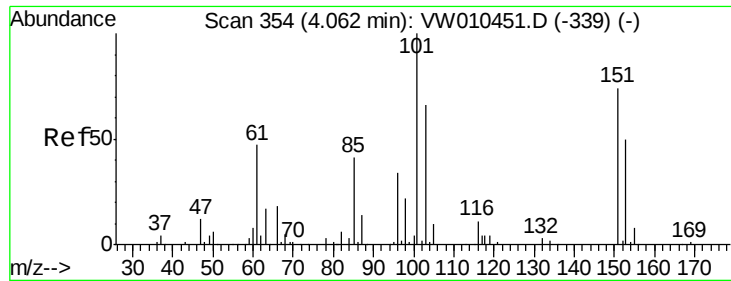
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 6/1/2019 4:27:14 AM



#8
 Diethyl Ether
 Concen: 18.833 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010608.D
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Tgt Ion: 74 Resp: 13927
 Ion Ratio Lower Upper
 74 100
 45 85.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.401 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

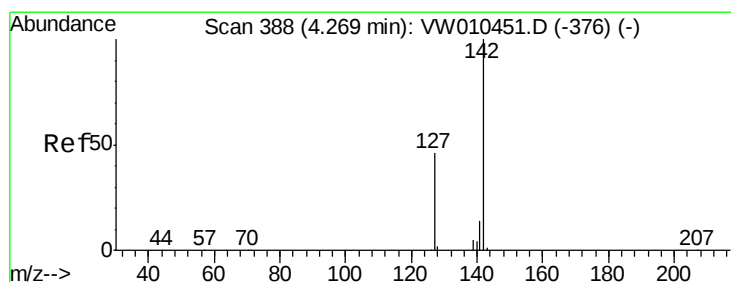
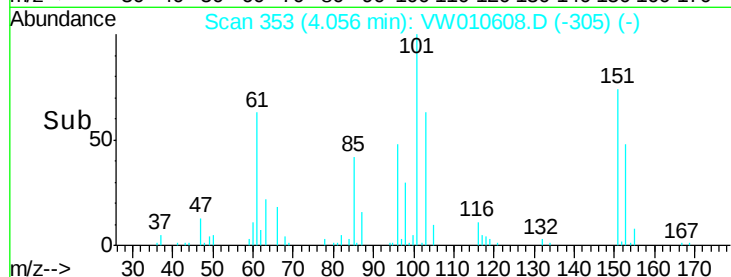
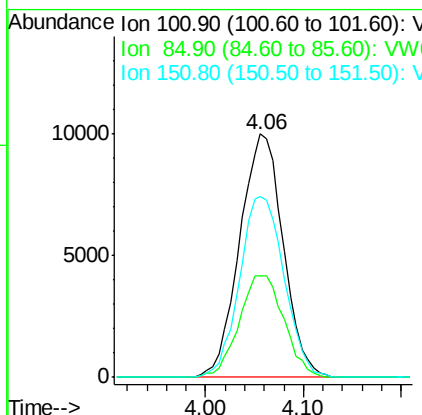
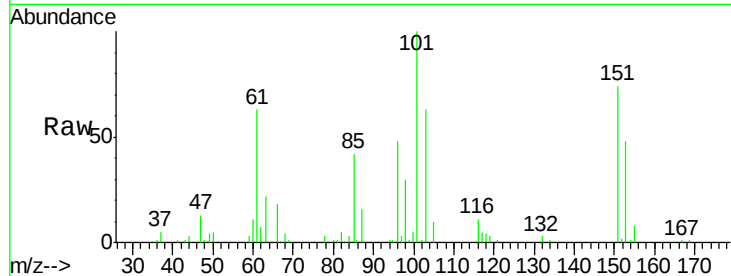
ClientSampled :

VW0530SBS01

Tot Ion:	101	Resp:	30745
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.3	51.5
151	76.4	60.3	90.5

Manual Integrations
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MMDadoda
6/1/2019 4:27:14 AM



#10

Methyl Iodide

Concen: 13.883 ug/l

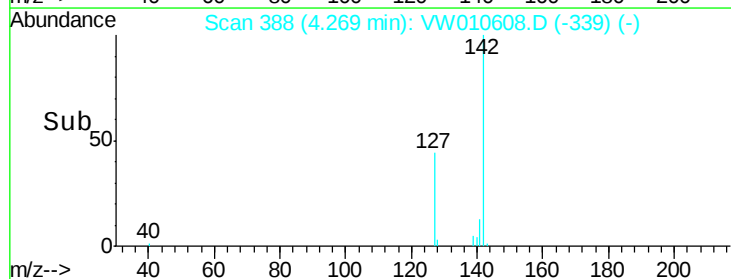
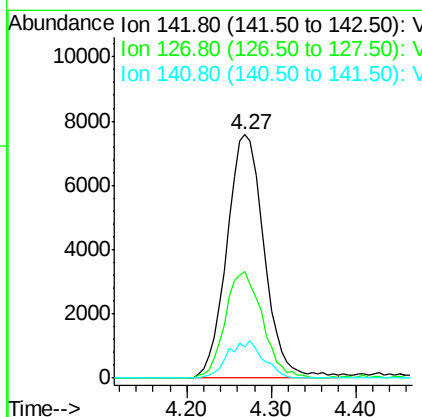
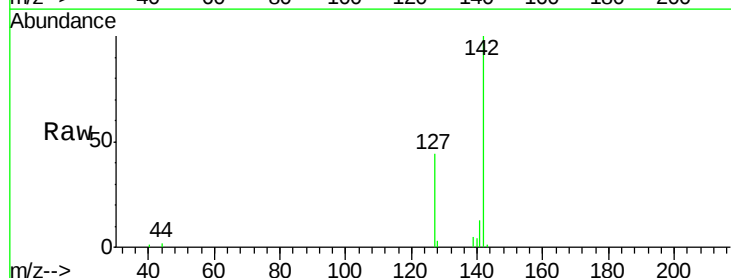
RT: 4.27 min Scan# 388

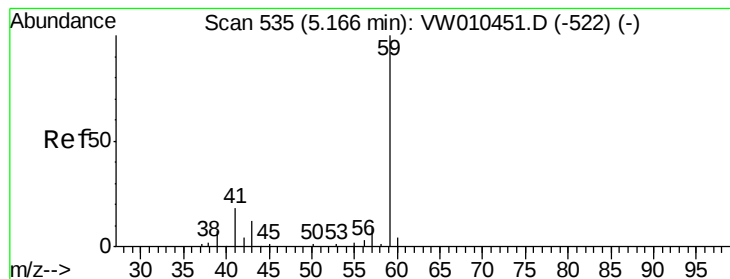
Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion:	142	Resp:	22797
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.1	54.1
141	14.5	11.3	16.9





#11

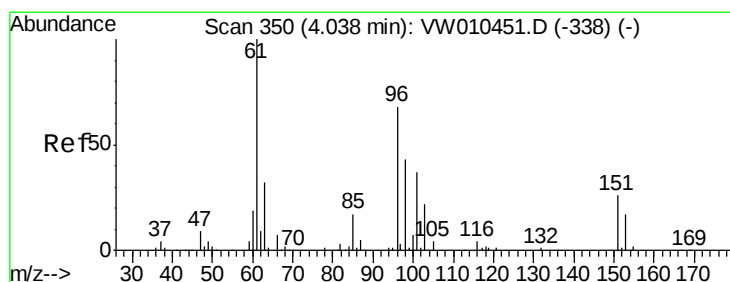
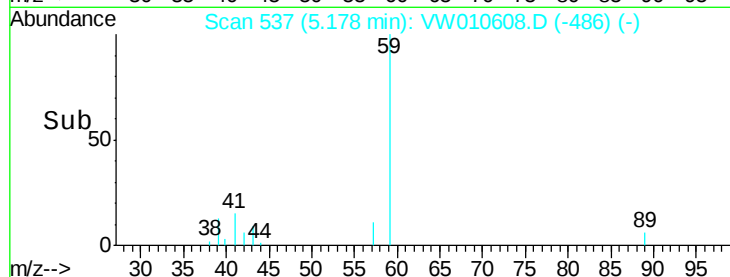
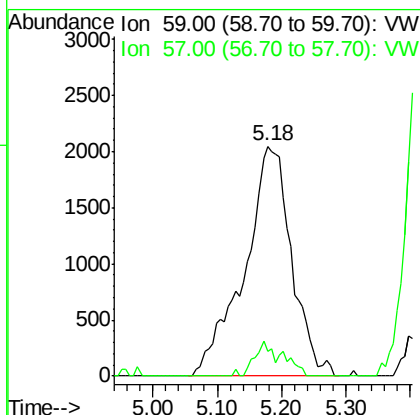
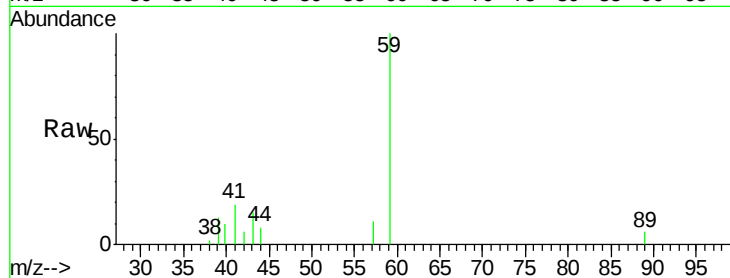
Tert butyl alcohol
 Concen: 86.377 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.8	13.2#

Manual Integrations
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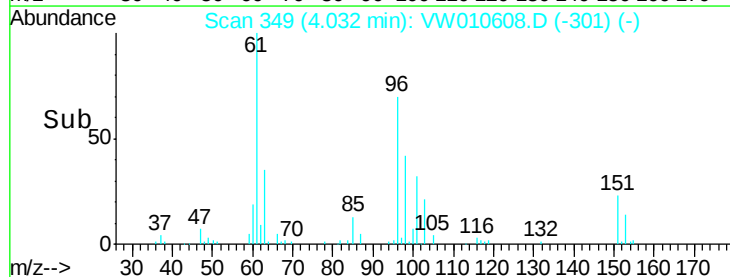
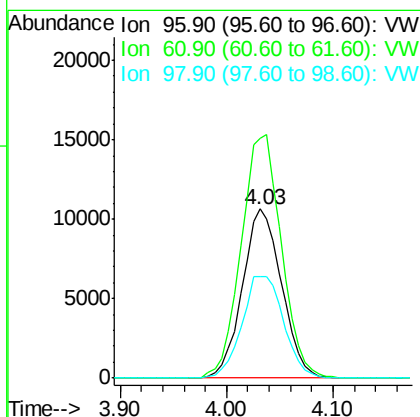
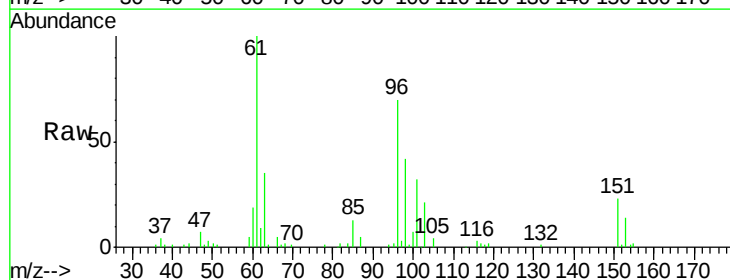
MMDadoda
 6/1/2019 4:27:14 AM

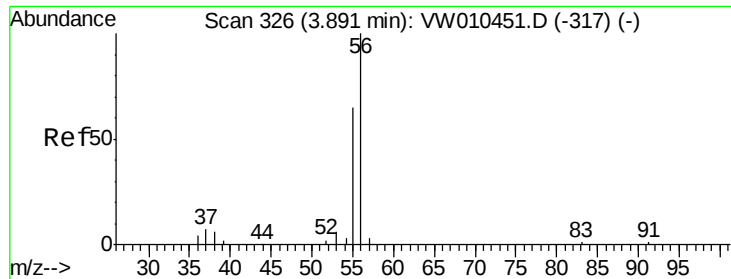


#12

1,1-Dichloroethene
 Concen: 20.061 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.0	118.3	177.5
98	60.2	51.0	76.6





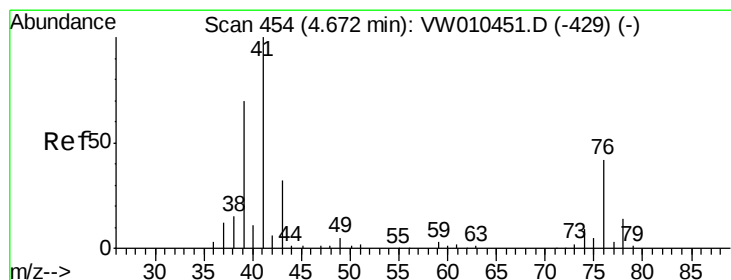
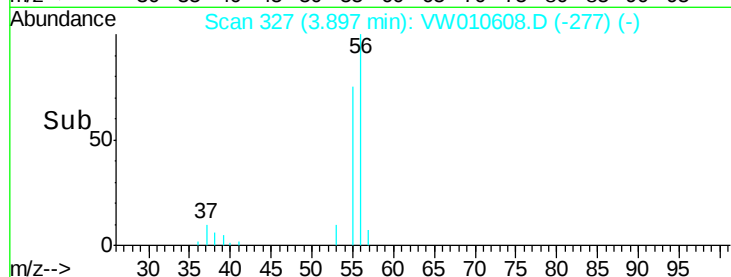
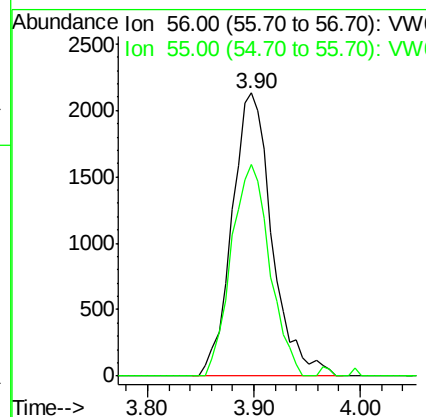
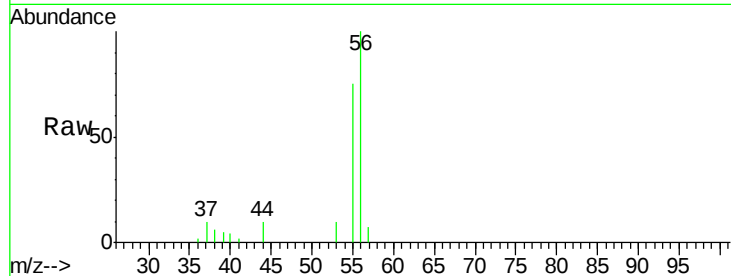
#13
Acrolein
Concen: 63.278 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	56	Resp	5615
Ion Ratio	100	Lower	Upper
55	71.7	57.9	86.9

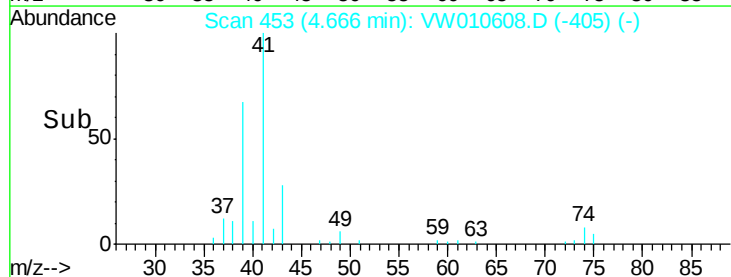
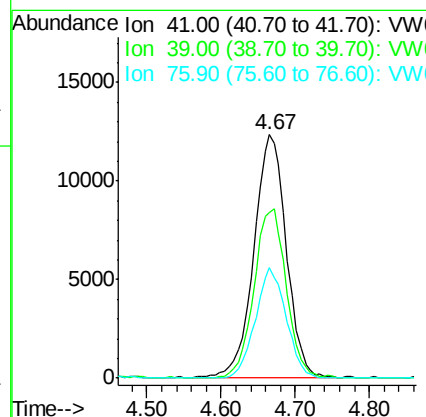
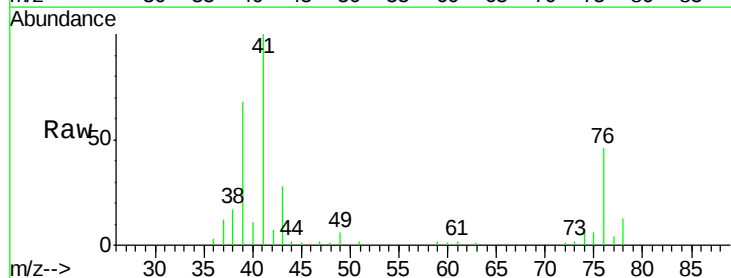
Manual Integrations
APPROVED

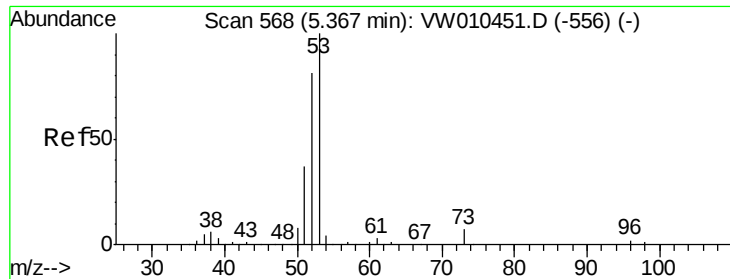
MMDadoda
6/1/2019 4:27:14 AM



#14
Allyl chloride
Concen: 19.028 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	41	Resp	37772
Ion Ratio	100	Lower	Upper
39	69.3	55.0	82.4
76	43.0	32.8	49.2





#15

Acrylonitrile

Concen: 84.250 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

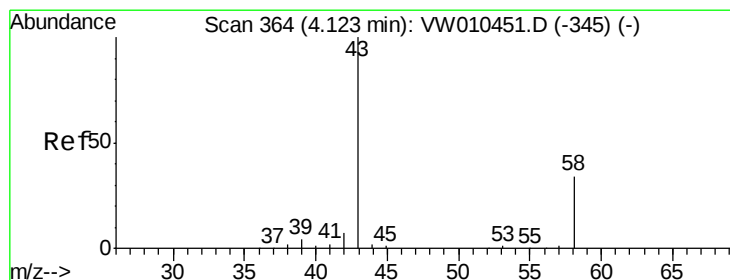
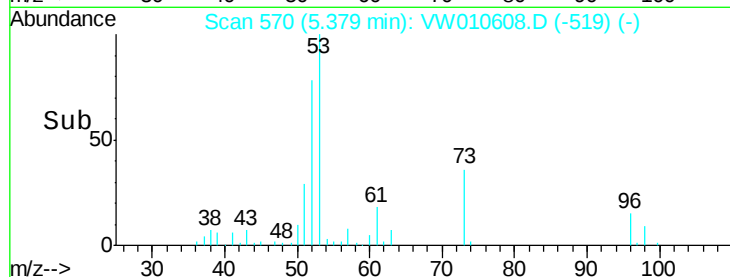
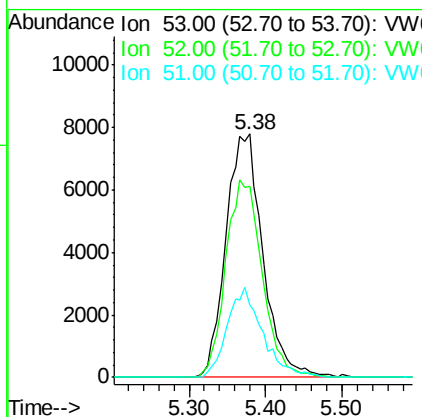
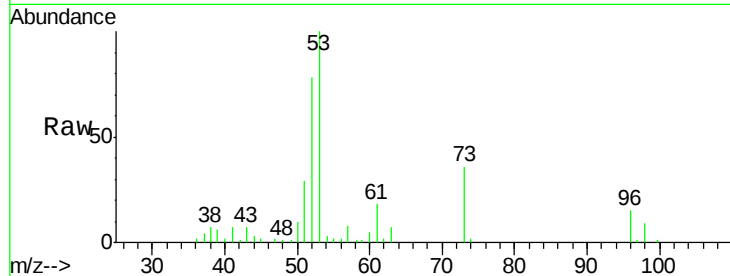
ClientSampleId :

VW0530SBS01

Tot Ion:	53	Resp:	26092
Ion Ratio	Lower	Upper	
53	100		
52	79.6	65.6	98.4
51	35.1	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
6/1/2019 4:27:14 AM



#16

Acetone

Concen: 88.007 ug/l

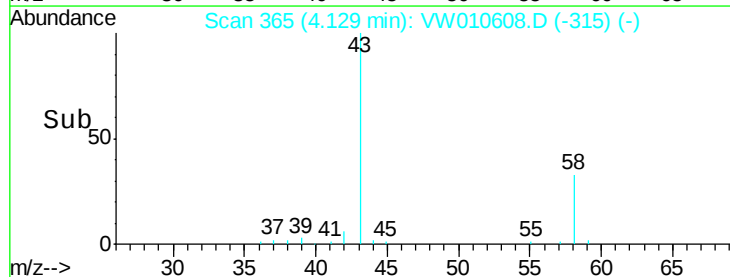
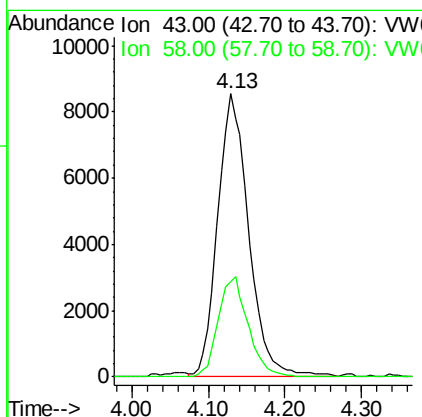
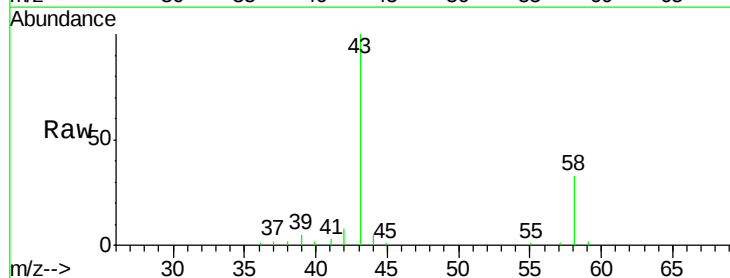
RT: 4.13 min Scan# 365

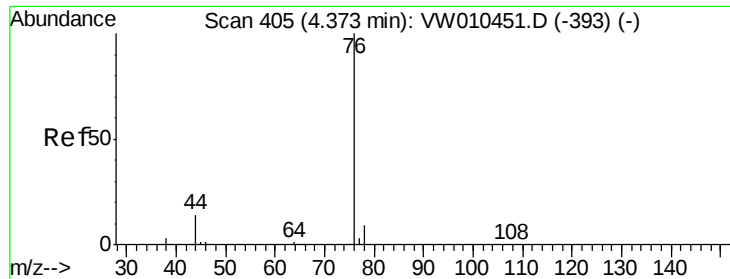
Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion:	43	Resp:	24074
Ion Ratio	Lower	Upper	
43	100		
58	33.4	27.0	40.4





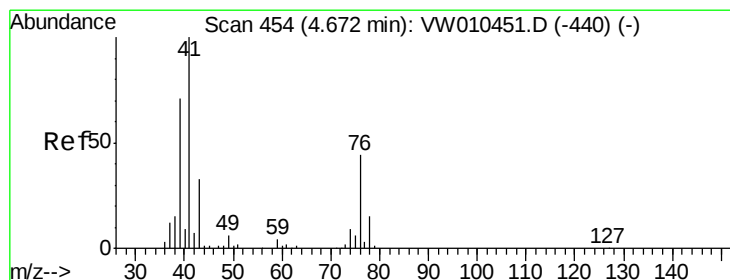
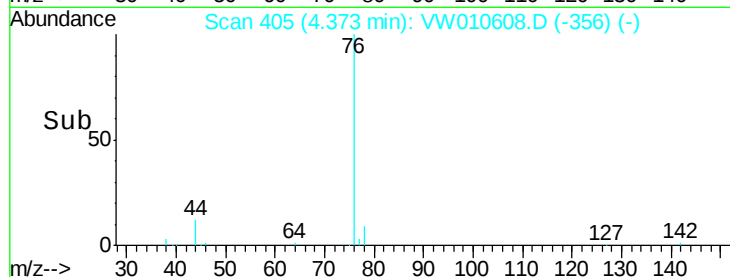
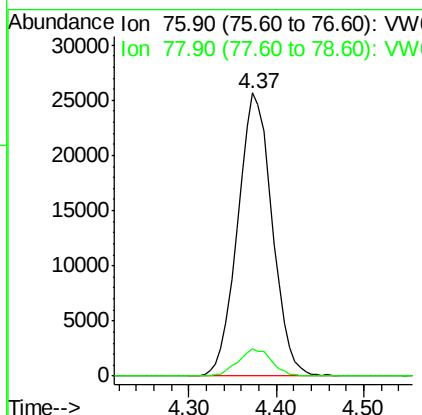
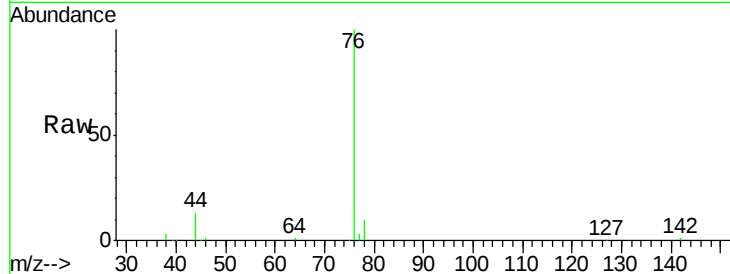
#17
Carbon Disulfide
Concen: 17.200 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

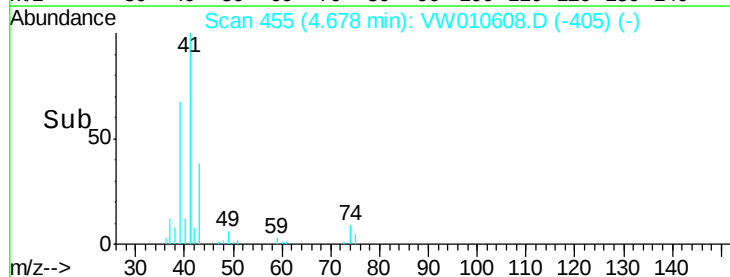
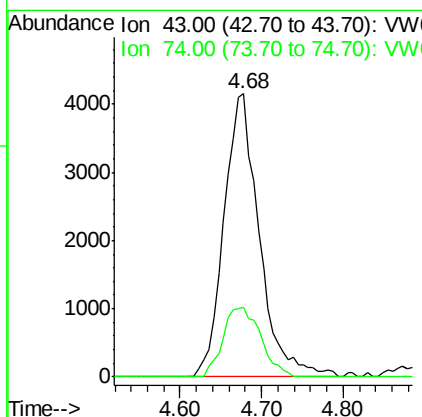
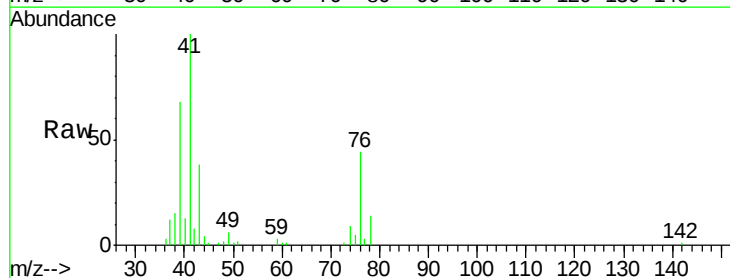
Manual Integrations
APPROVED

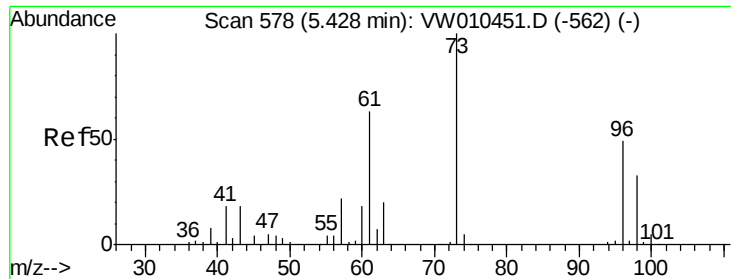
MMDadoda
6/1/2019 4:27:14 AM



#18
Methyl Acetate
Concen: 18.605 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.6	32.4





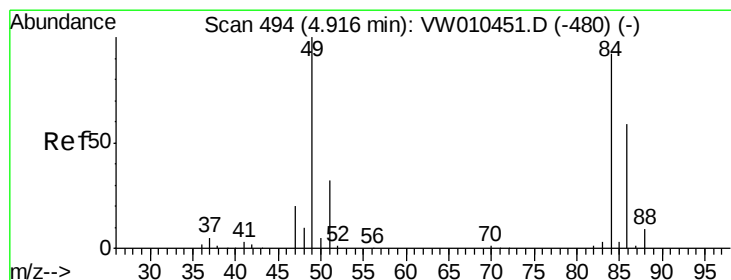
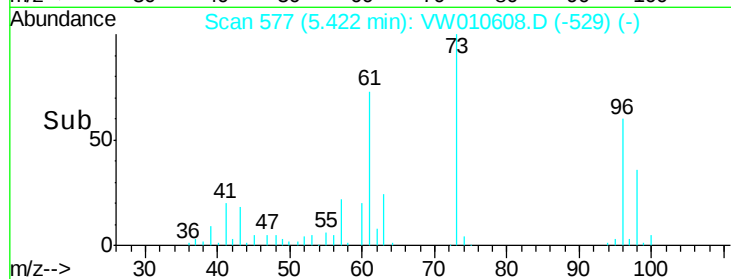
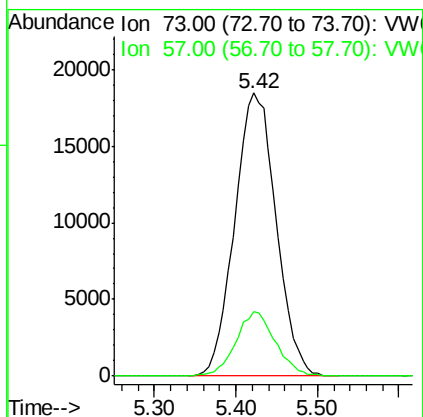
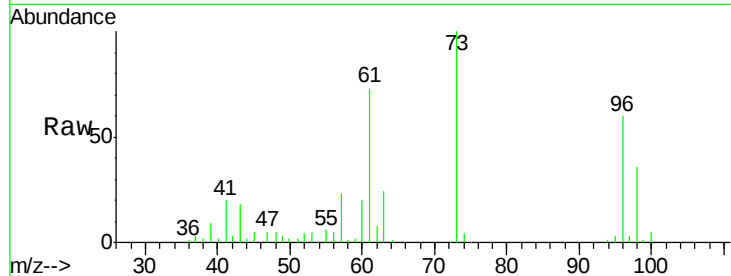
#19
Methvl tert-butvl Ether
Concen: 18.610 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion: 73 Resp: 65063
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0

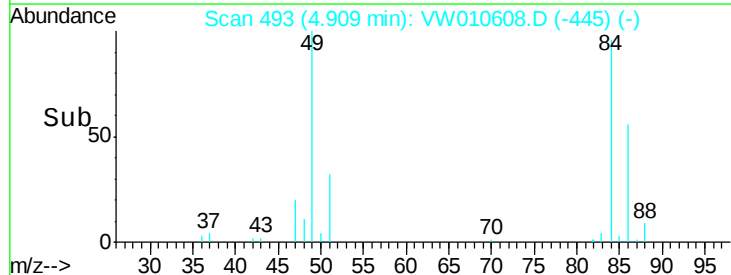
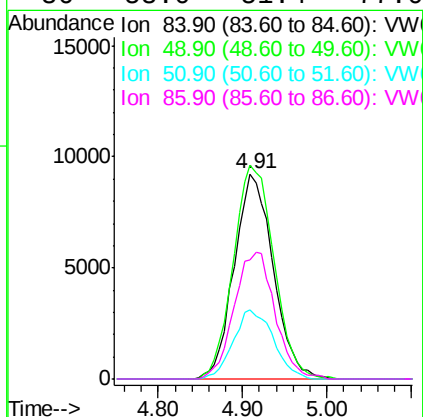
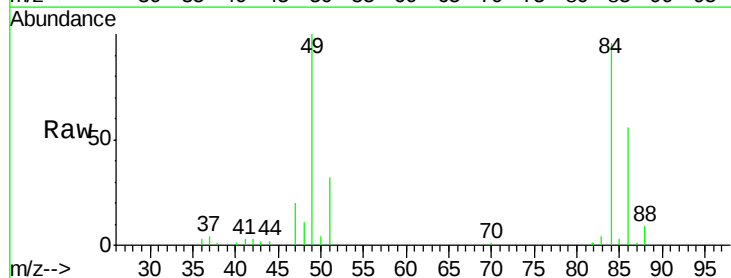
Manual Integrations
APPROVED

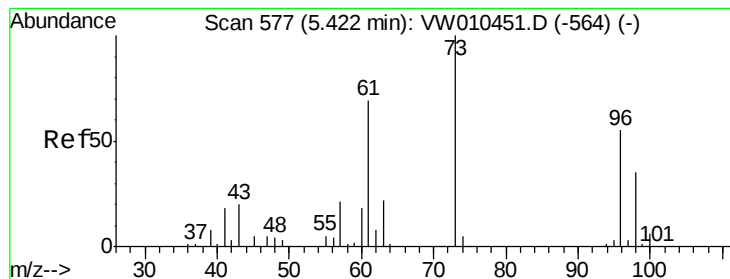
MMDadoda
6/1/2019 4:27:14 AM



#20
Methylene Chloride
Concen: 14.459 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 84 Resp: 28993
Ion Ratio Lower Upper
84 100
49 104.0 87.2 130.8
51 33.8 27.7 41.5
86 58.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.598 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

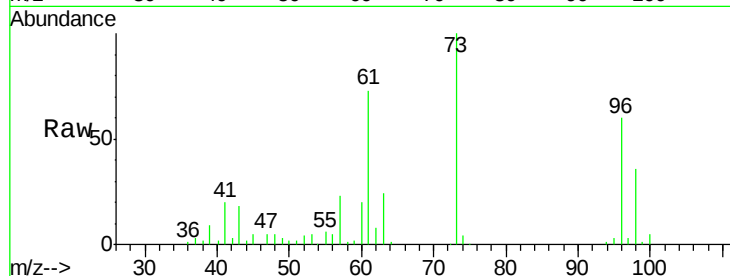
ClientSampleId :

VW0530SBS01

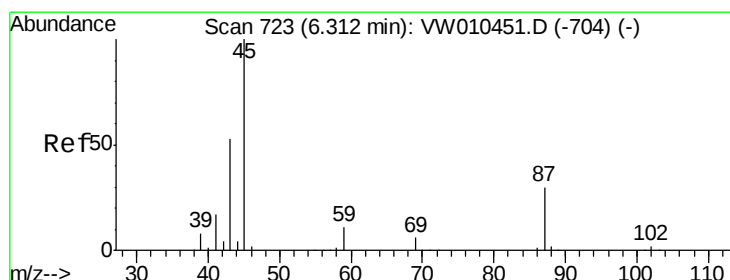
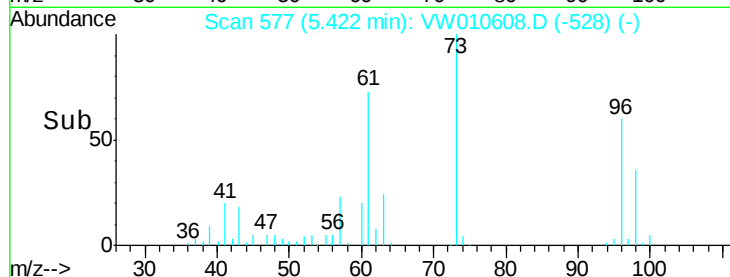
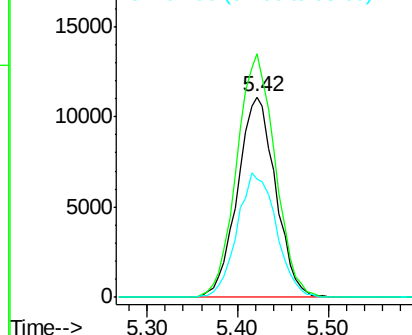
Tot Ion:	96	Resp:	32401
Ion	Ratio	Lower	Upper
96	100		
61	121.6	101.4	152.0
98	59.3	50.6	76.0

Manual Integrations
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MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.655 ug/l

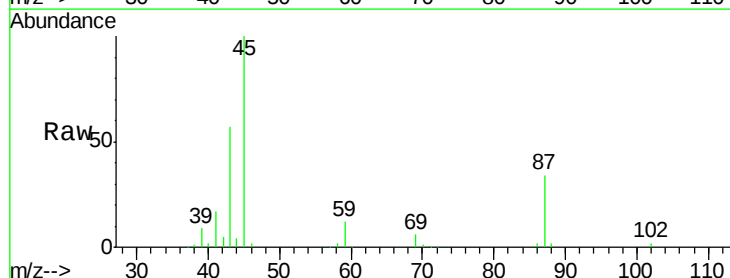
RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

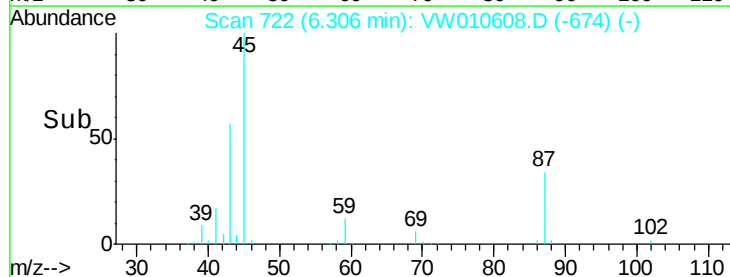
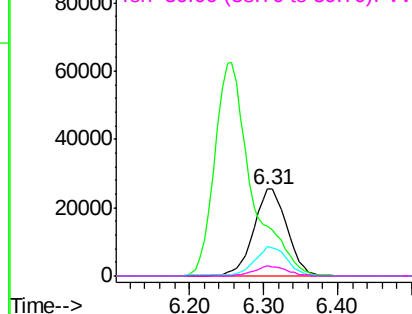
Lab File: VW010608.D

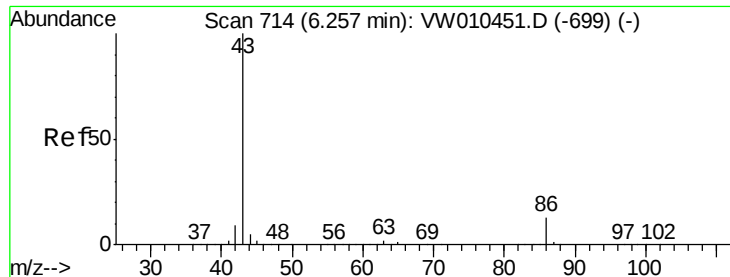
Acq: 30 May 2019 11:56

Tgt Ion:	45	Resp:	80004
Ion	Ratio	Lower	Upper
45	100		
43	56.8	42.9	64.3
87	34.5	24.6	36.8
59	11.5	9.4	14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 88.040 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion: 43 Resp: 214060

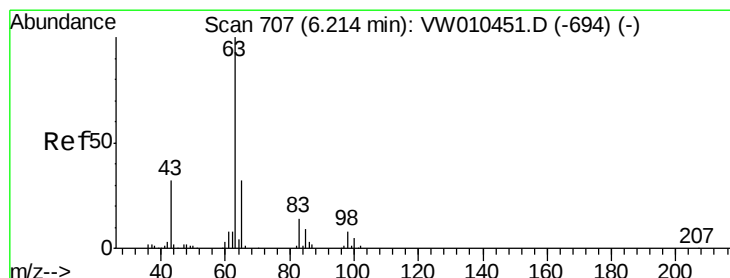
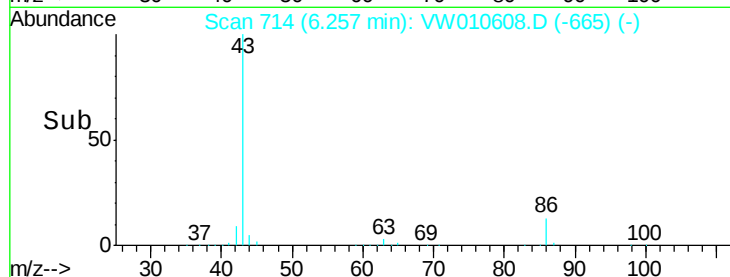
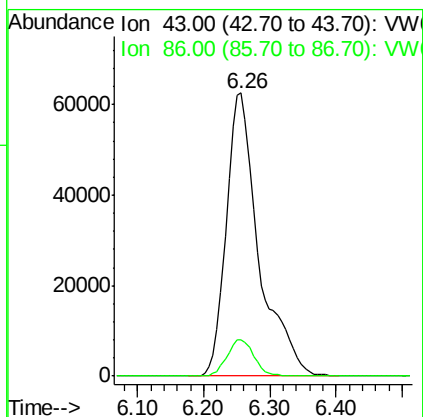
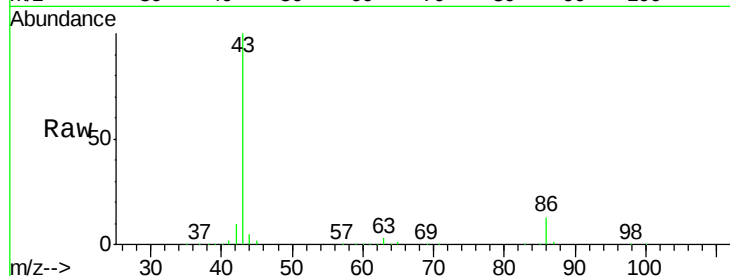
Ion Ratio Lower Upper

43 100

86 12.8 10.3 15.5

Manual Integrations
APPROVED

MMDadoda
6/1/2019 4:27:14 AM



#24

1,1-Dichloroethane

Concen: 20.977 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

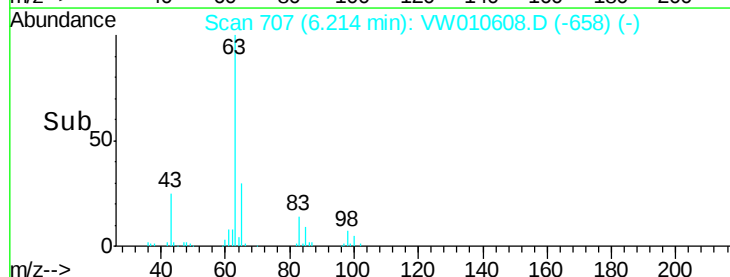
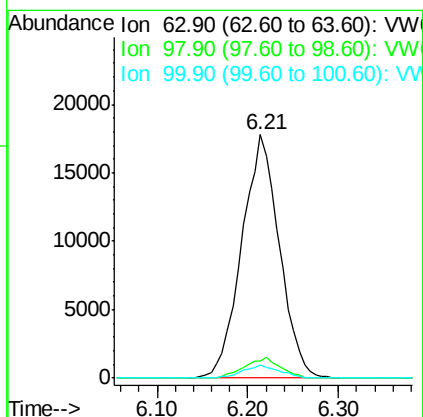
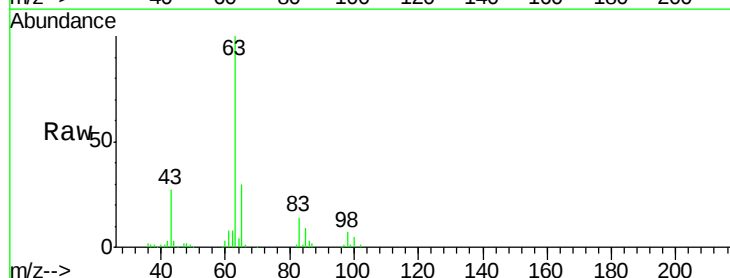
Tgt Ion: 63 Resp: 50954

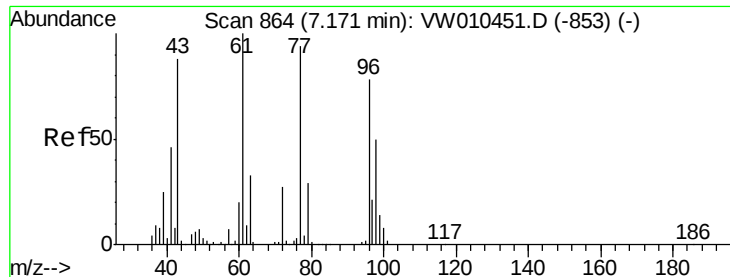
Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

100 5.4 2.5 7.4





#25

2-Butanone

Concen: 85.943 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion: 43 Resp: 33644

Ion Ratio Lower Upper

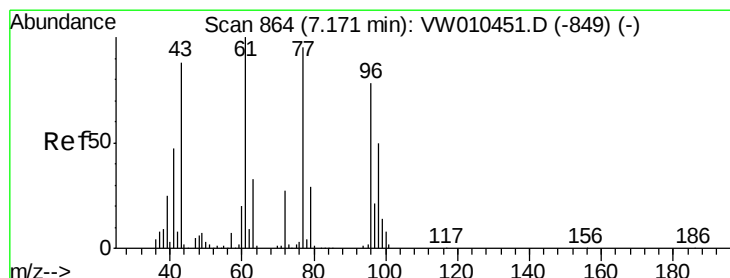
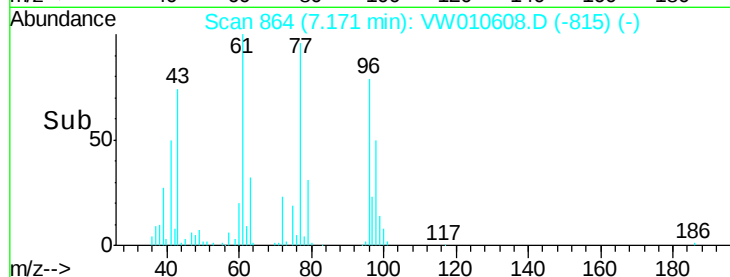
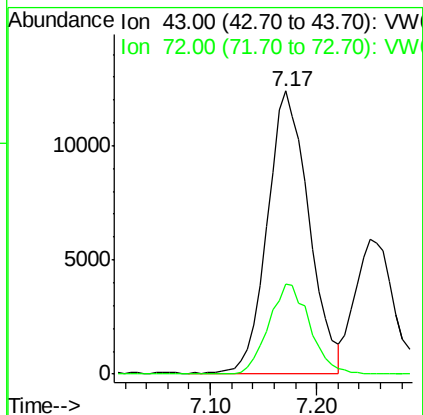
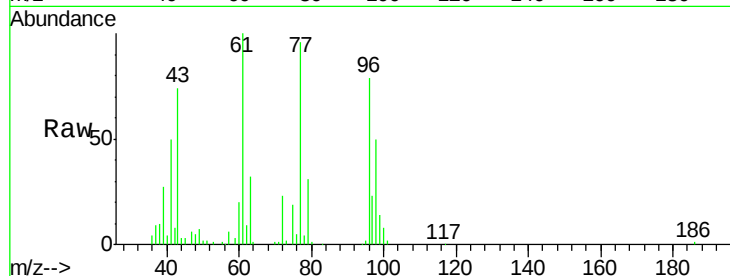
43 100

72 31.9 24.1 36.1

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6/1/2019 4:27:14 AM



#26

2,2-Dichloropropane

Concen: 21.585 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010608.D

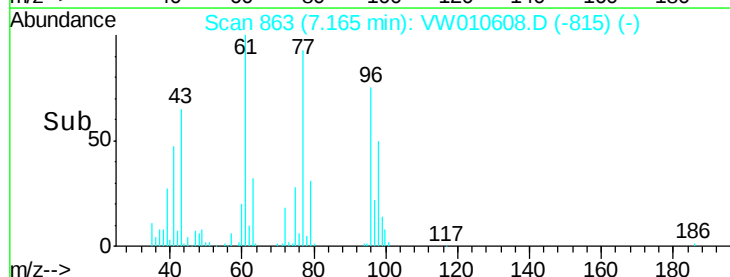
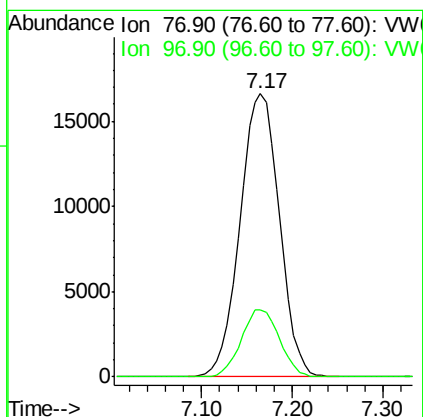
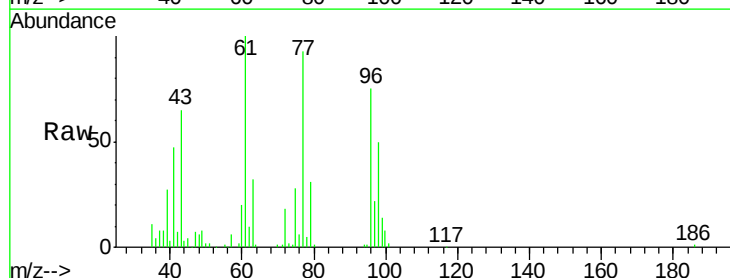
Acq: 30 May 2019 11:56

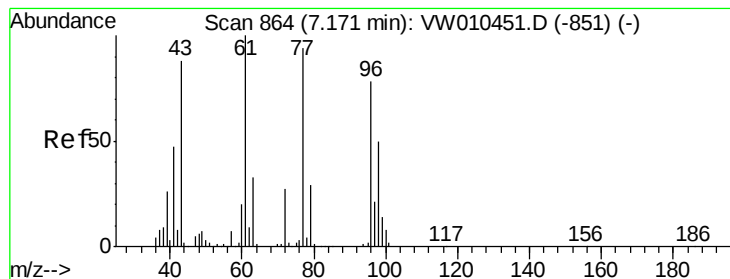
Tgt Ion: 77 Resp: 49943

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

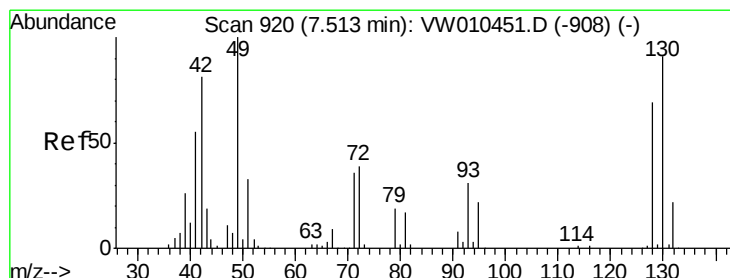
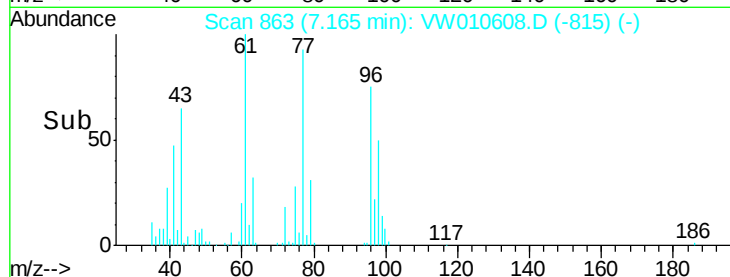
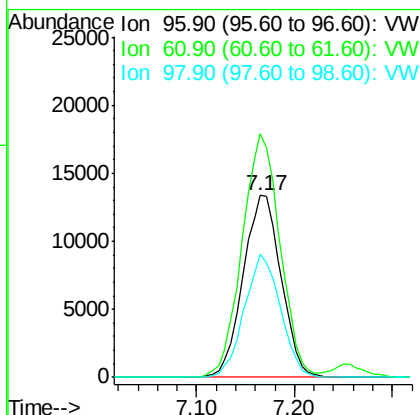
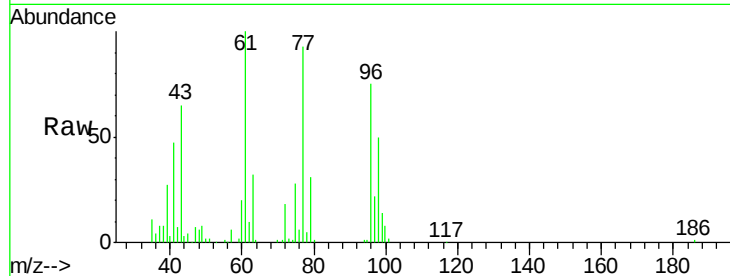
cis-1,2-Dichloroethene
 Concen: 21.006 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	265.4
98	64.3	0.0	129.4

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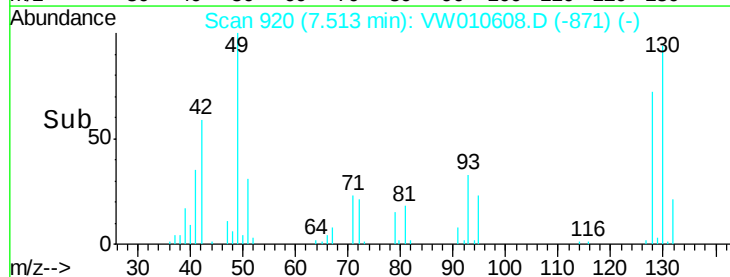
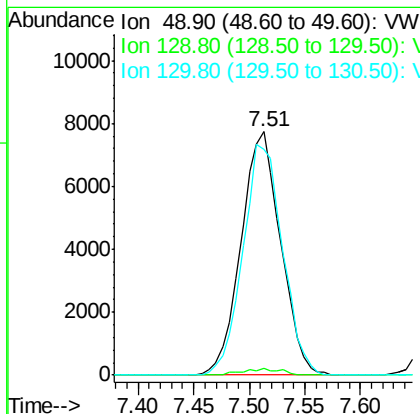
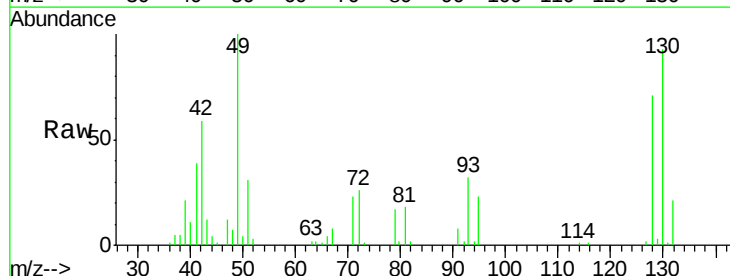
MMDadoda
 6/1/2019 4:27:14 AM

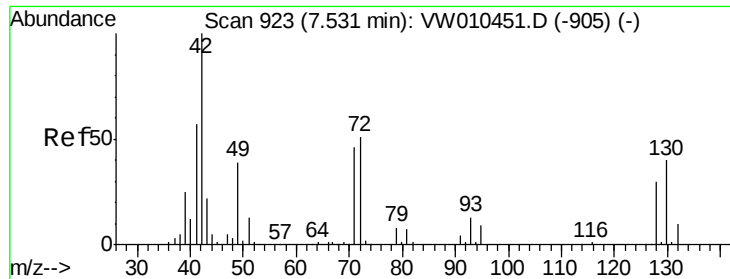


#28

Bromochloromethane
 Concen: 22.005 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	94.9	71.2	106.8





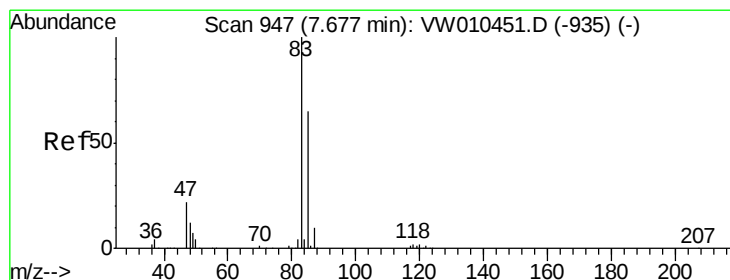
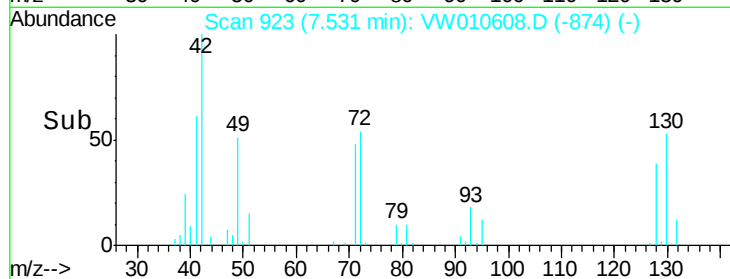
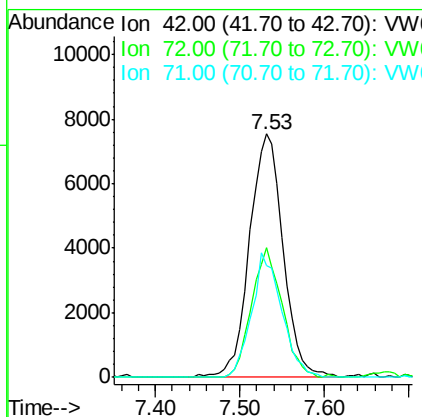
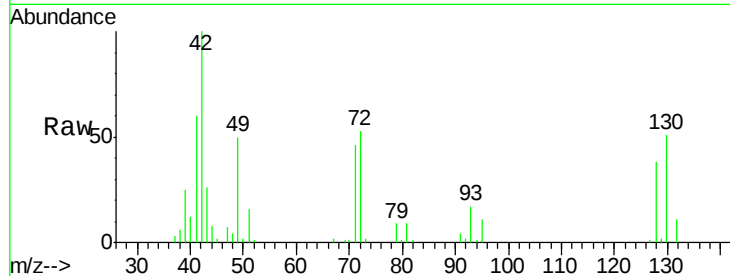
#29
Tetrahydrofuran
Concen: 77.354 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.5	57.7
71	45.8	36.5	54.7

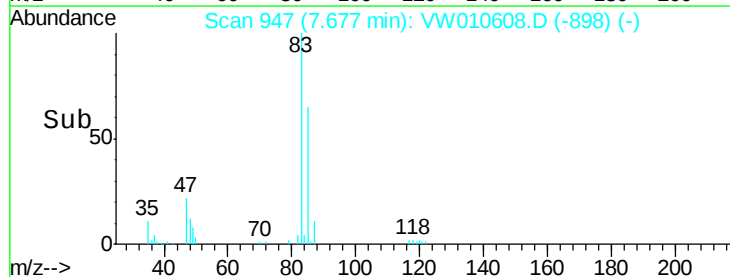
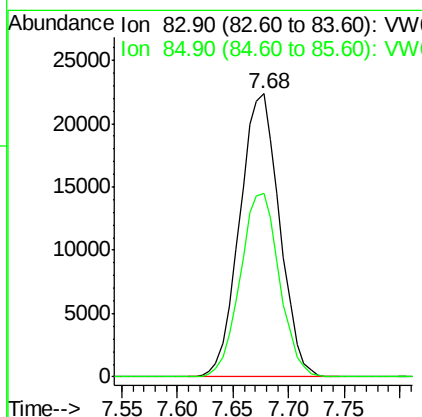
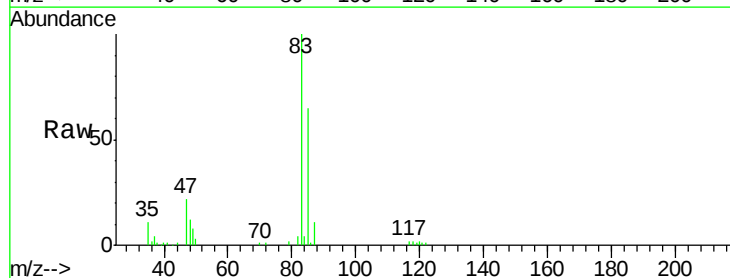
Manual Integrations
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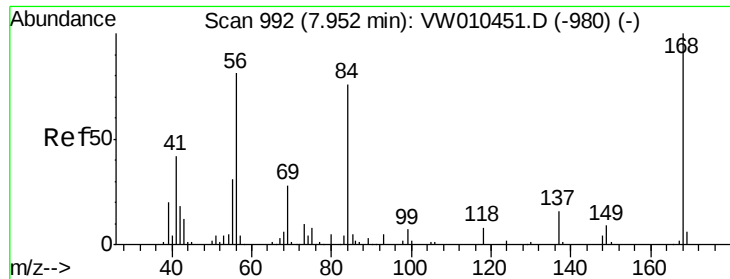
MMDadoda
6/1/2019 4:27:14 AM



#30
Chloroform
Concen: 21.177 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4





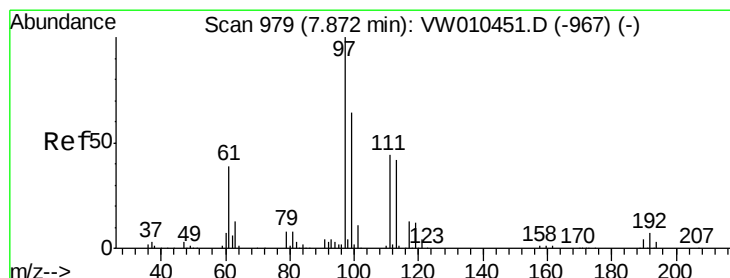
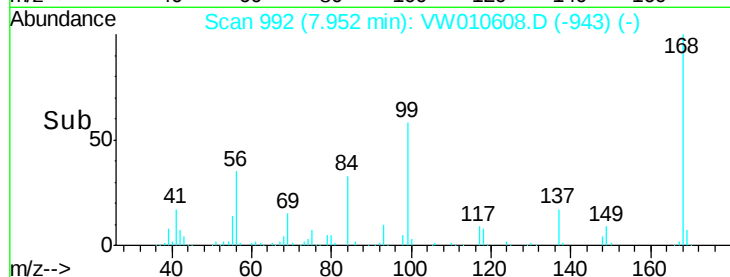
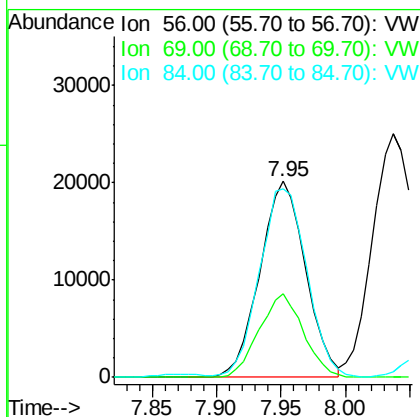
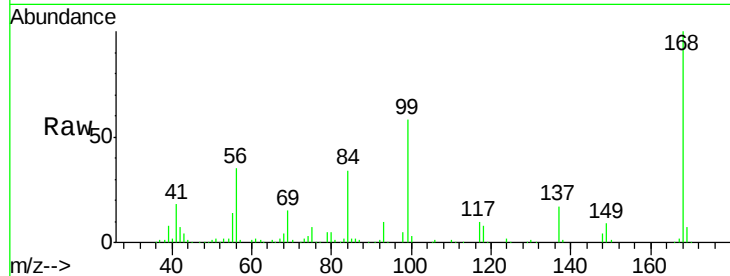
#31
Cyclohexane
Concen: 19.559 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.4	28.2	42.2#
84	94.2	75.8	113.8

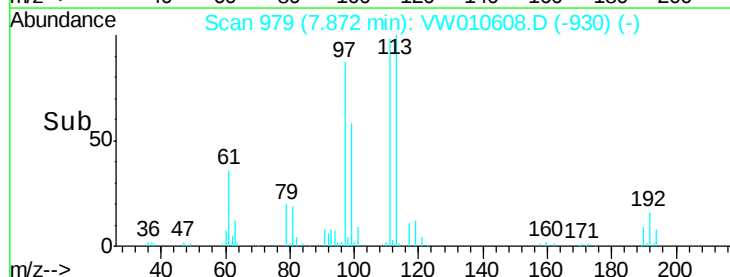
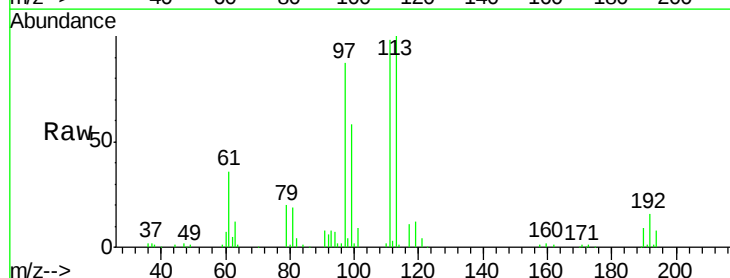
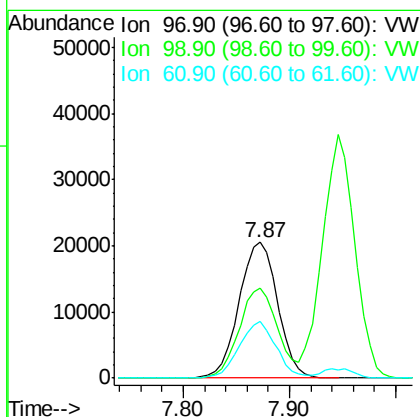
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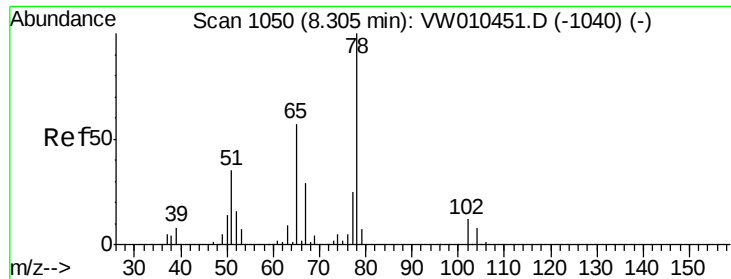
MMDadoda
6/1/2019 4:27:14 AM



#32
1,1,1-Trichloroethane
Concen: 20.896 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	50.8	76.2
61	39.7	32.1	48.1





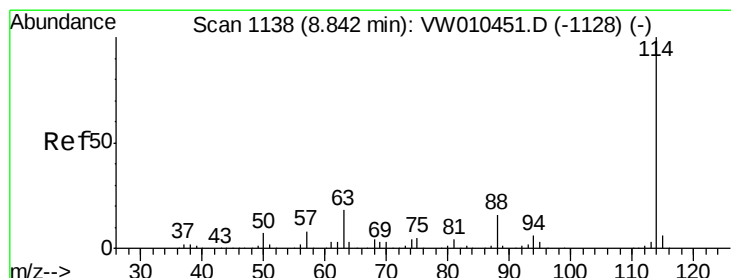
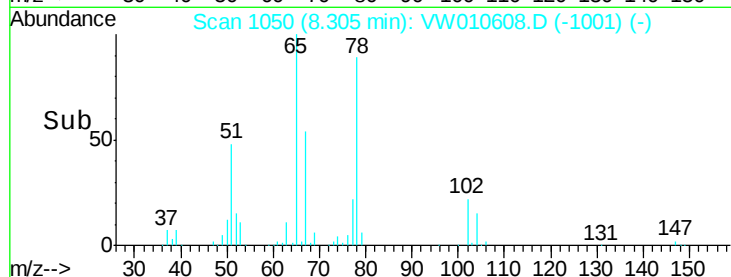
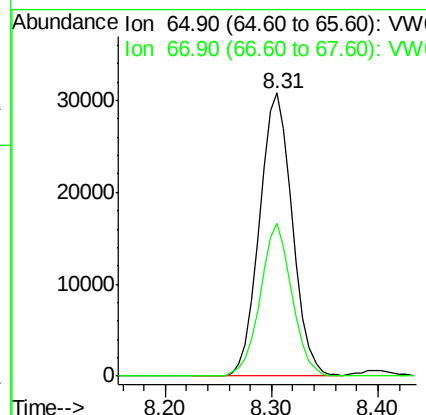
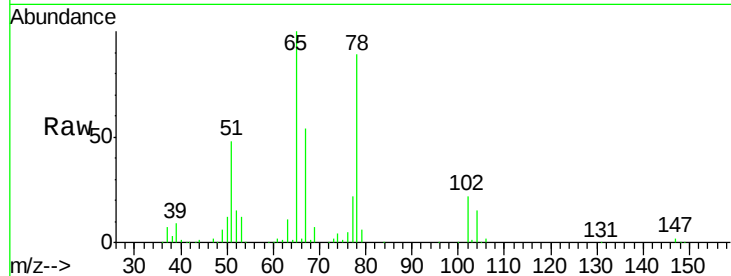
#33
 1,2-Dichloroethane-d4
 Concen: 49.627 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	66505		
67	52.0	0.0	103.6	

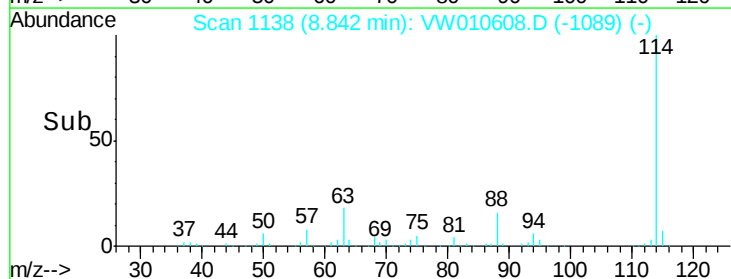
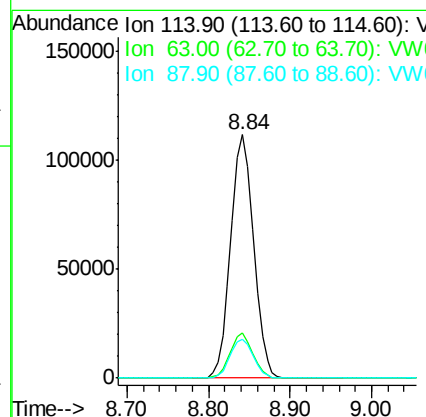
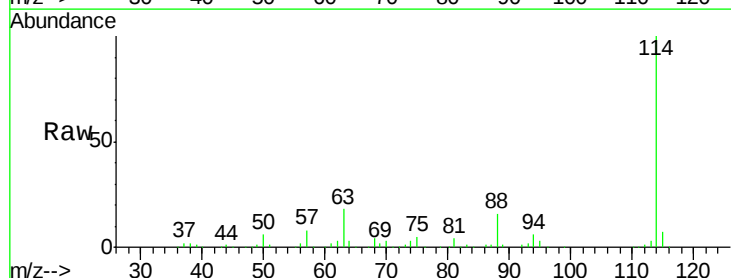
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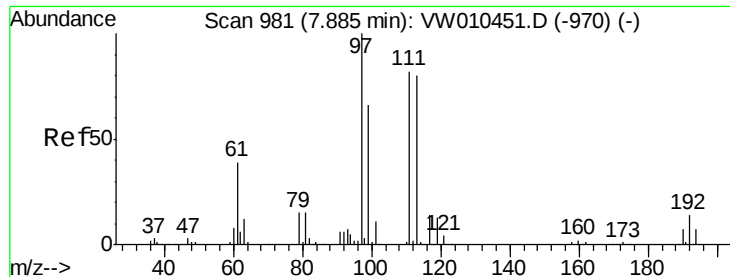
MMDadoda
 6/1/2019 4:27:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	217629		
63	18.4	0.0	36.0	
88	15.8	0.0	32.0	





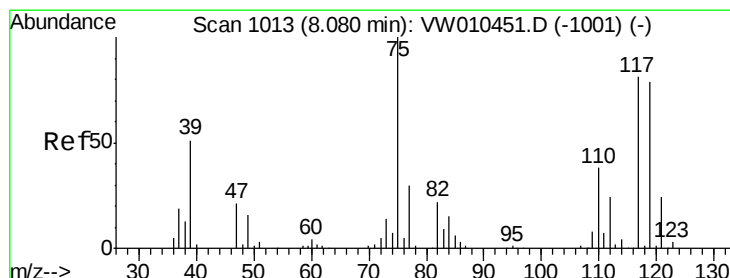
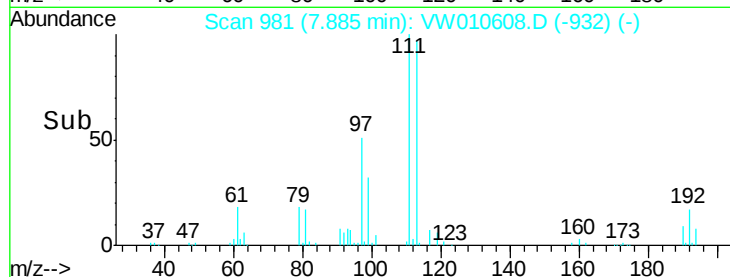
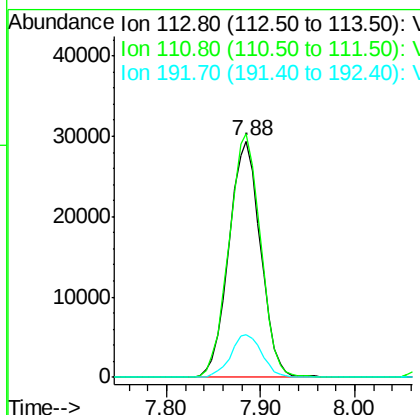
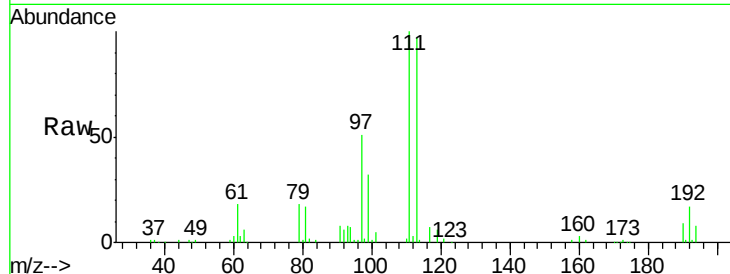
#35
 Dibromofluoromethane
 Concen: 52.118 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	68823		
111	103.1	82.2	123.4	
192	17.8	14.3	21.5	

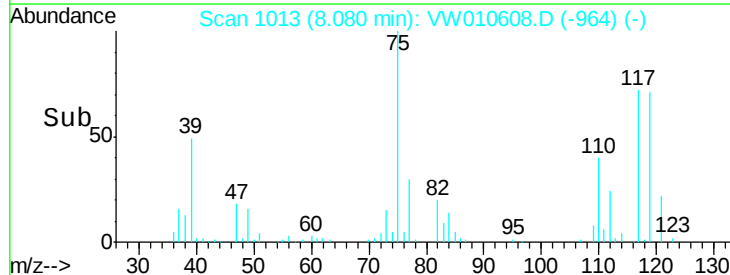
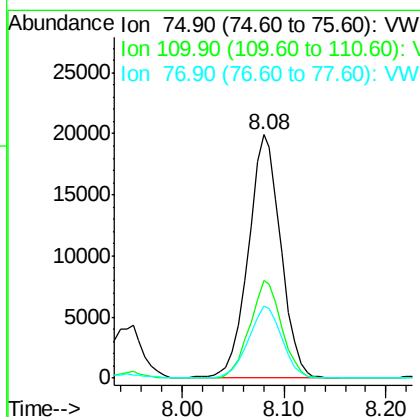
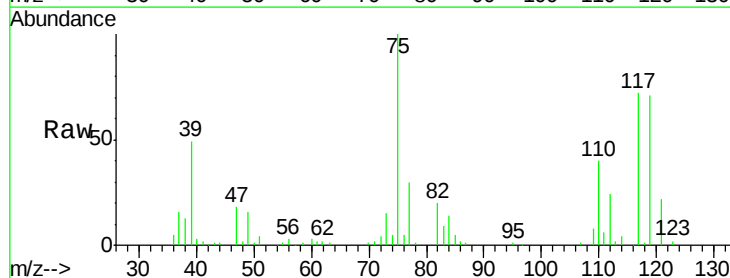
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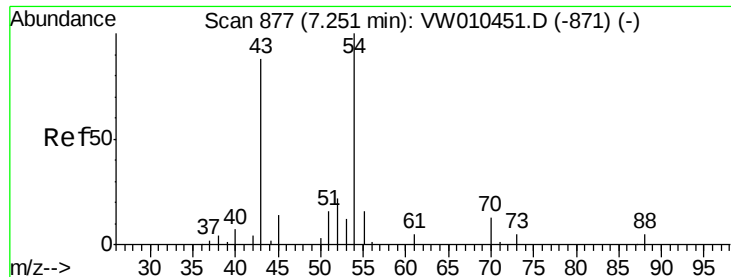
MMDadoda
 6/1/2019 4:27:14 AM



#36
 1,1-Dichloropropene
 Concen: 21.781 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44158		
110	39.1	19.2	57.6	
77	30.5	25.2	37.8	





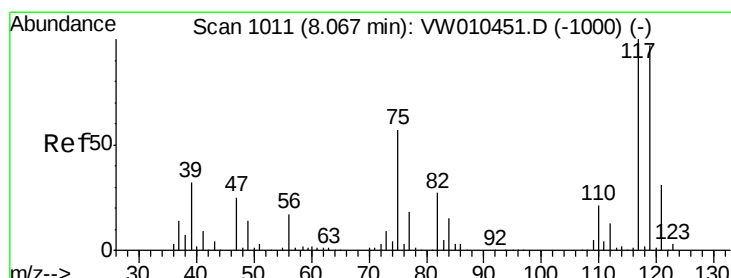
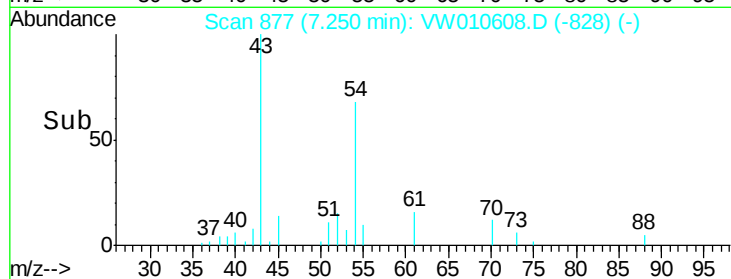
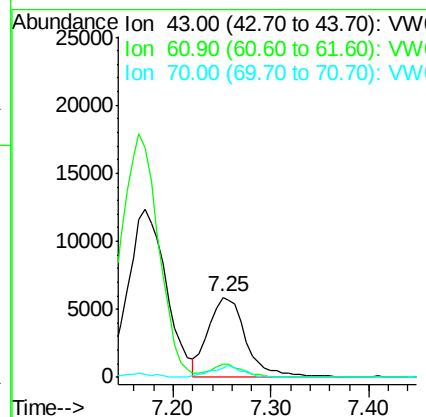
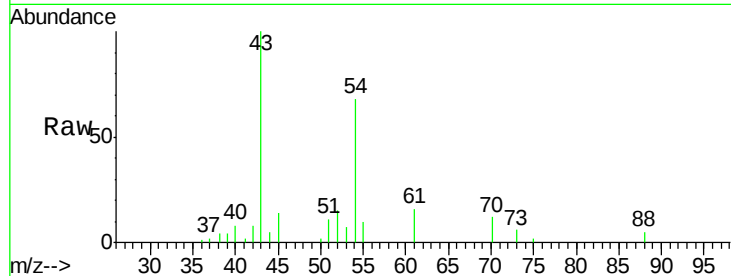
#37
Ethyl Acetate
Concen: 18.392 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.2	16.8
70	12.0	9.9	14.9

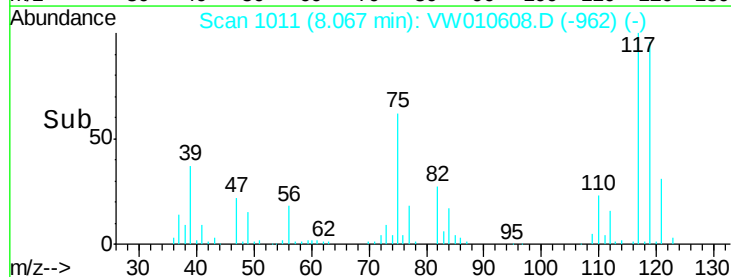
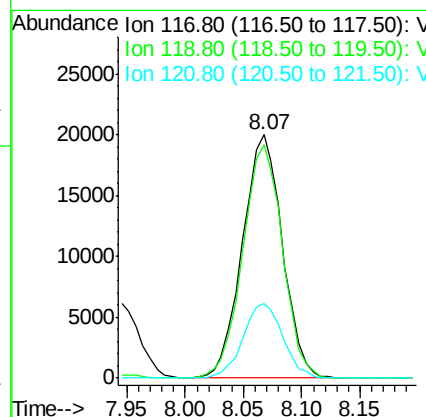
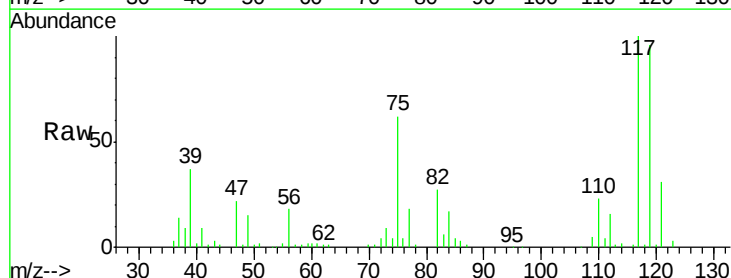
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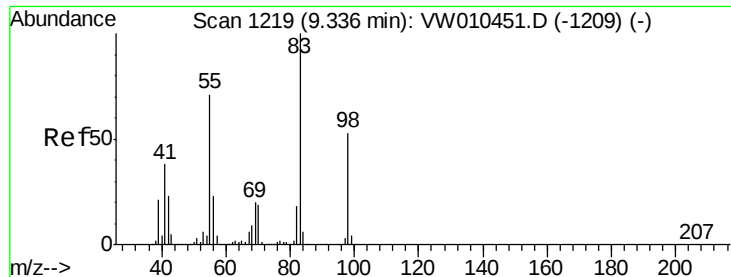
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6/1/2019 4:27:14 AM



#38
Carbon Tetrachloride
Concen: 21.843 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
121	30.9	25.0	37.6





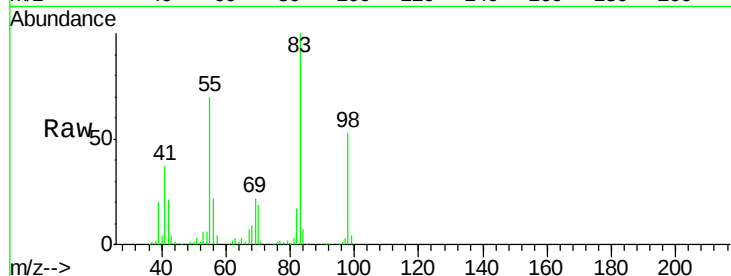
#39
Methvlcvclohexane
Concen: 21.048 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

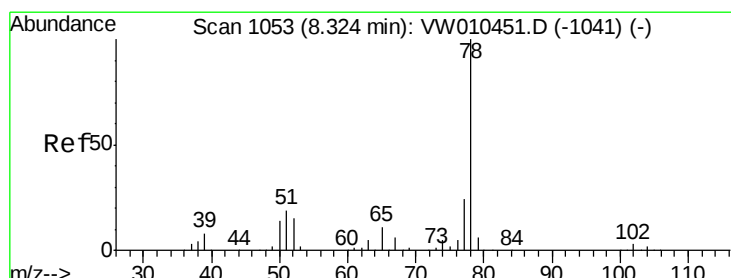
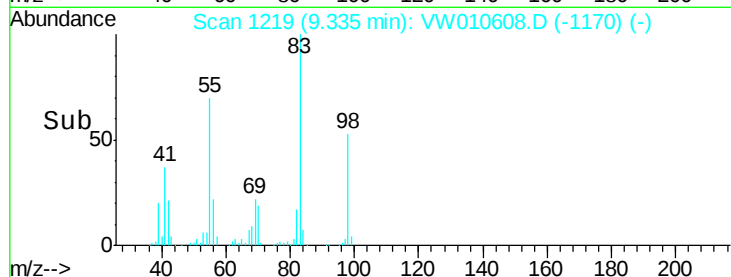
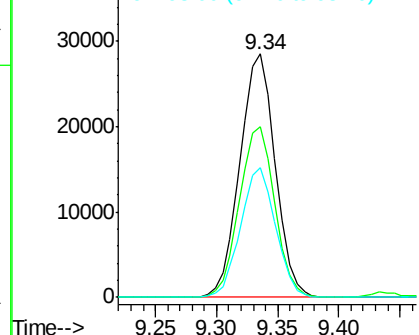
Tot Ion	83	Resp	57168
Ion	Ratio	Lower	Upper
83	100		
55	70.3	57.0	85.6
98	53.1	42.0	63.0

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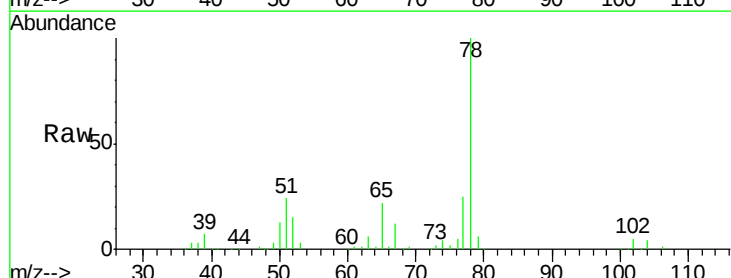


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

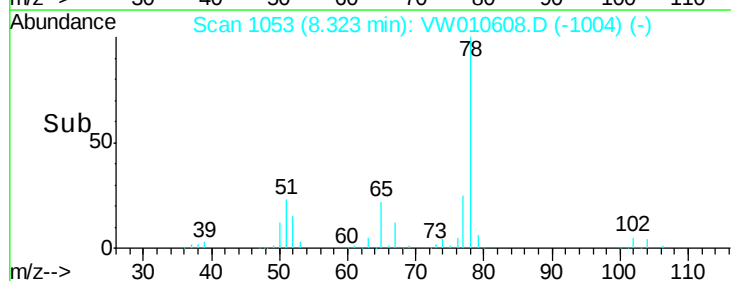
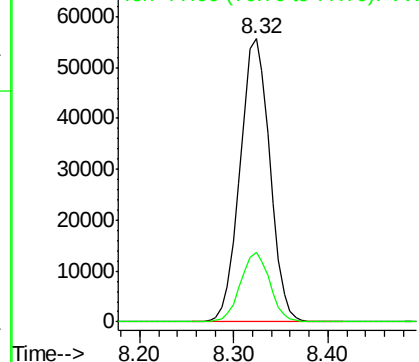


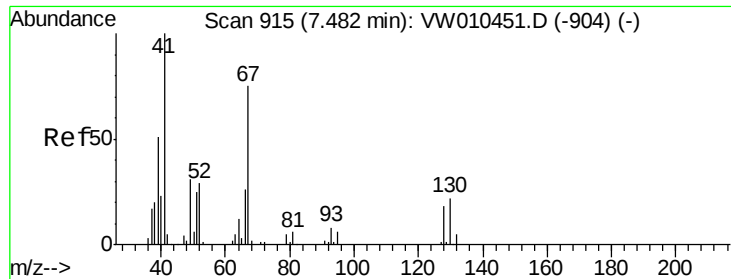
#40
Benzene
Concen: 21.824 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	78	Resp	122974
Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





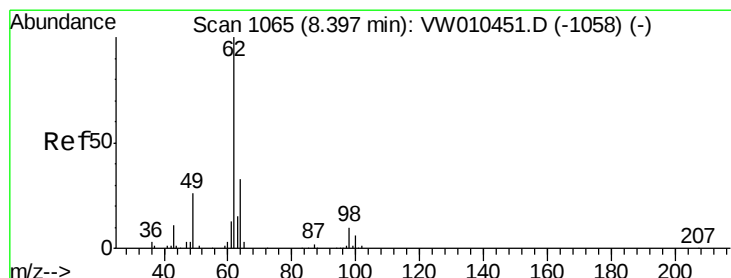
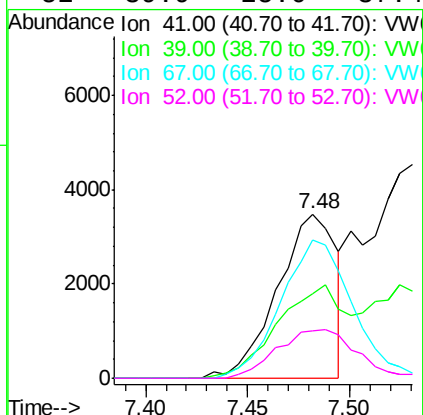
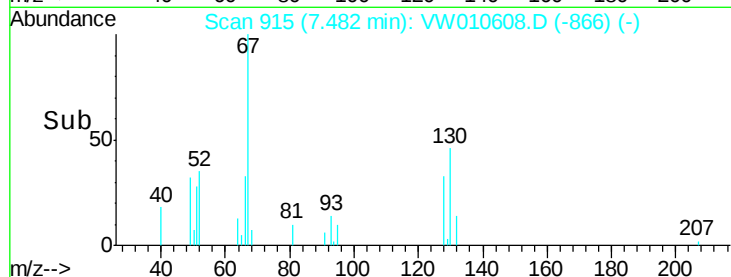
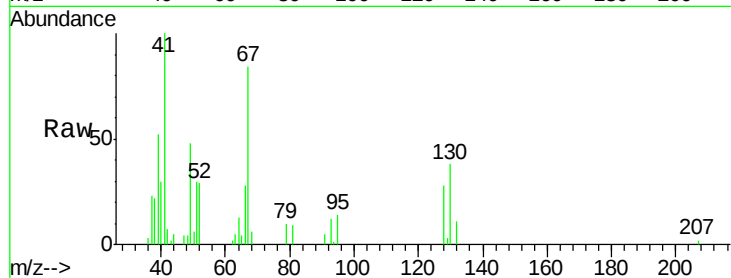
#41
Methacrylonitrile
Concen: 13.620 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.1	47.4	71.2
67	102.4	65.5	98.3#
52	39.9	25.0	37.4#

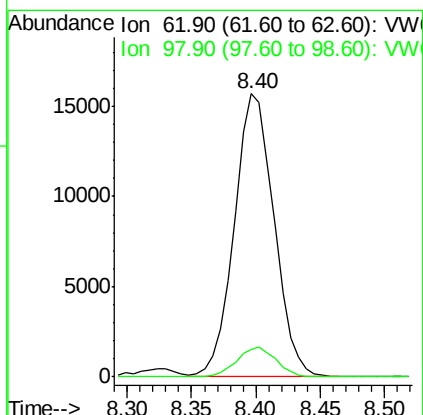
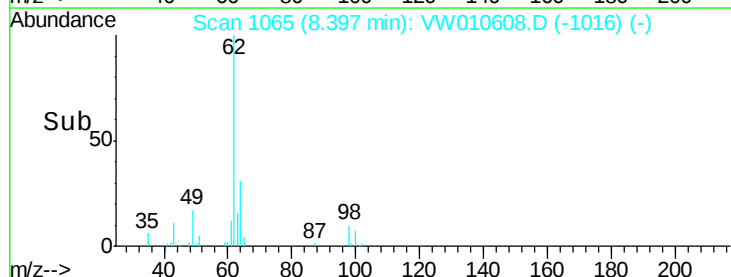
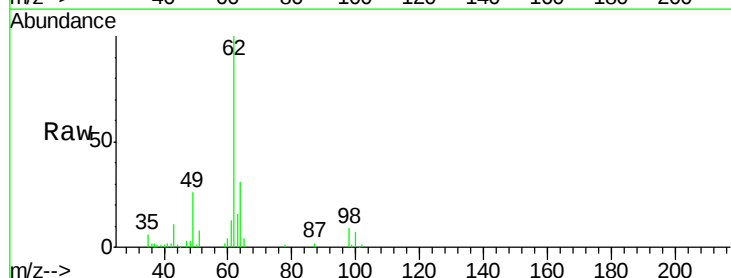
Manual Integrations
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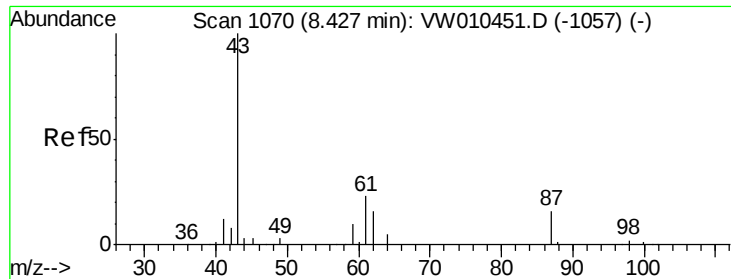
MMDadoda
6/1/2019 4:27:14 AM



#42
1,2-Dichloroethane
Concen: 20.853 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 17.020 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

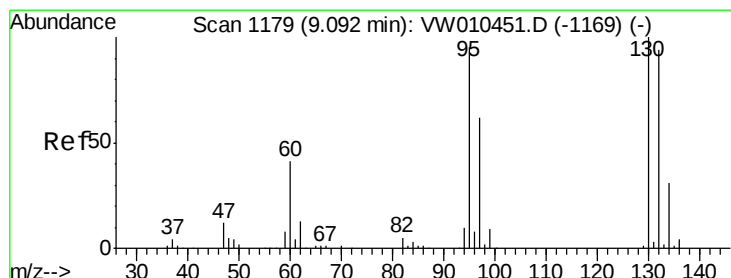
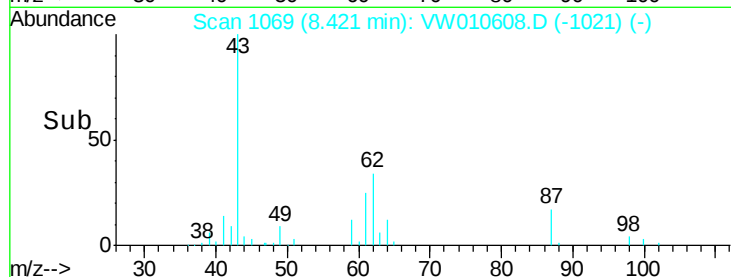
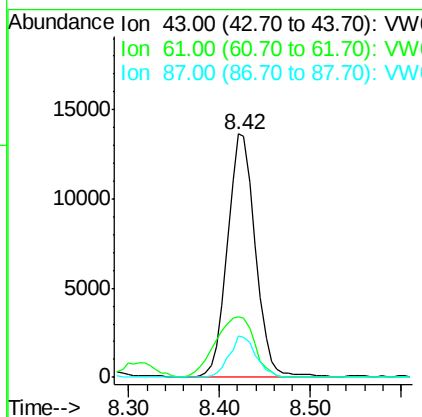
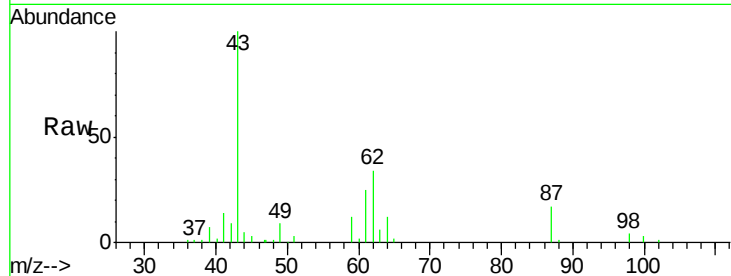
ClientSampleId :

VW0530SBS01

Tot Ion:	43	Resp:	29313
Ion	Ratio	Lower	Upper
43	100		
61	34.6	25.4	38.2
87	16.1	12.7	19.1

Manual Integrations
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#44

Trichloroethene

Concen: 22.349 ug/l

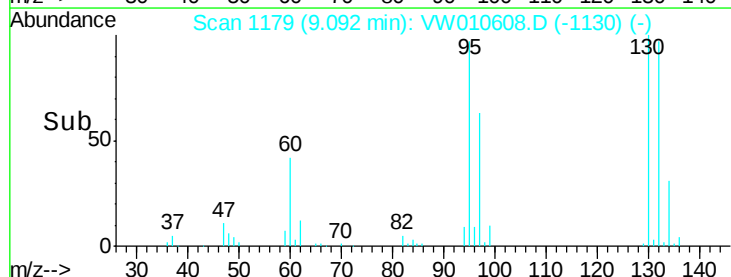
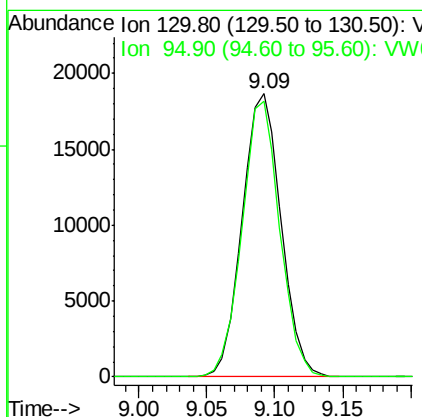
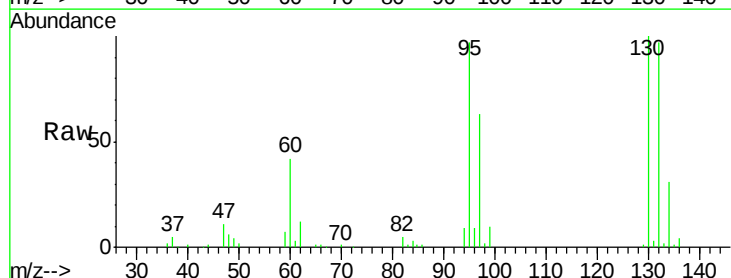
RT: 9.09 min Scan# 1179

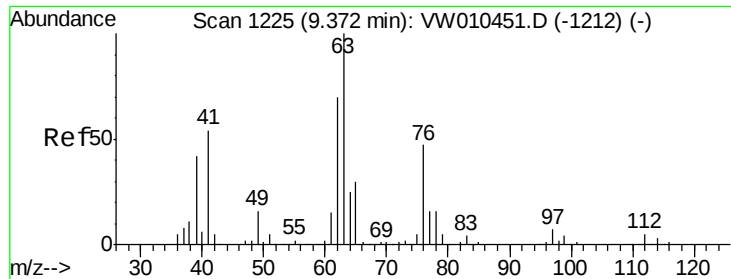
Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion:	130	Resp:	37387
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	189.6





#45

1,2-Dichloropropane

Concen: 21.180 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion: 63 Resp: 28344

Ion Ratio Lower Upper

63 100

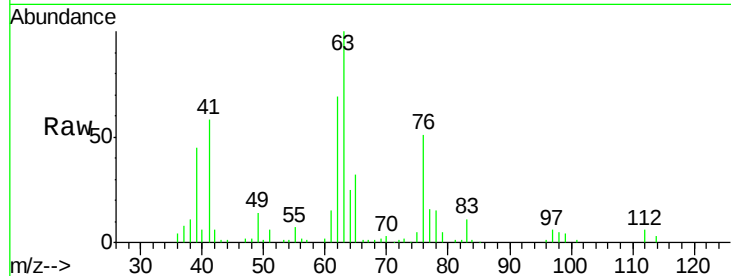
65 31.8 24.3 36.5

Manual Integrations

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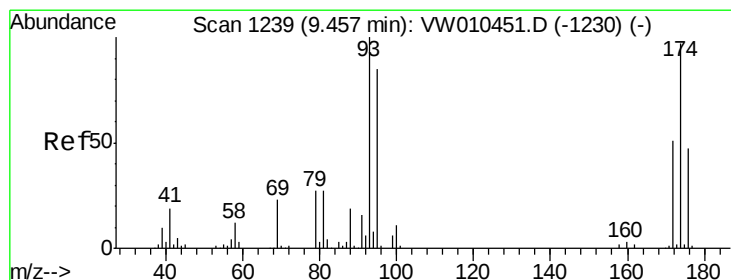
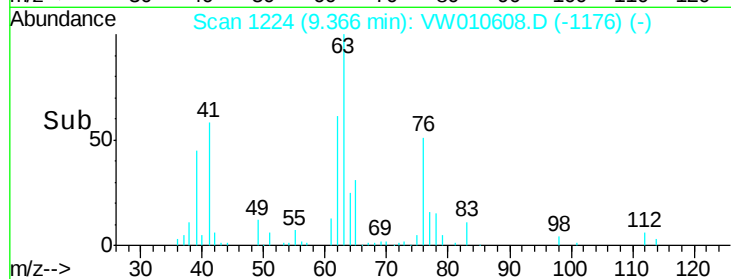
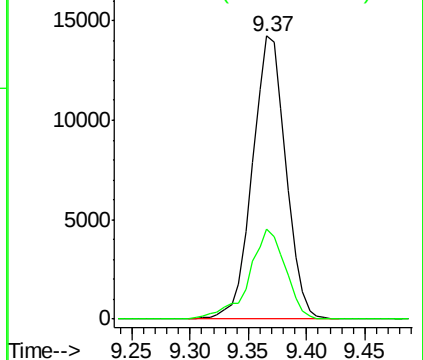
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.446 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

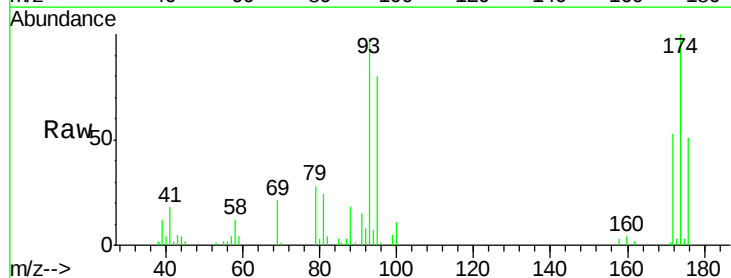
Tgt Ion: 93 Resp: 16002

Ion Ratio Lower Upper

93 100

95 83.6 66.1 99.1

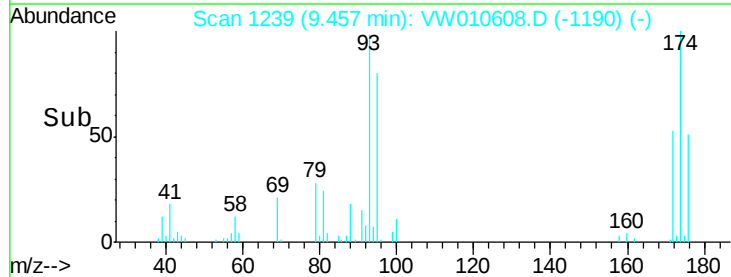
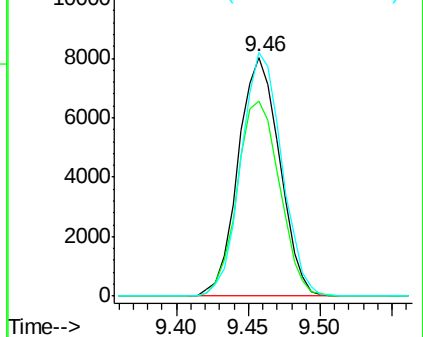
174 100.1 77.1 115.7

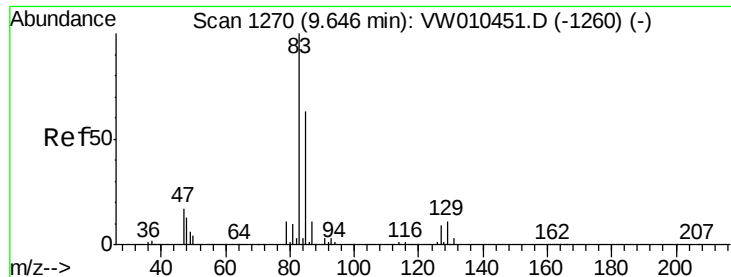


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.553 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

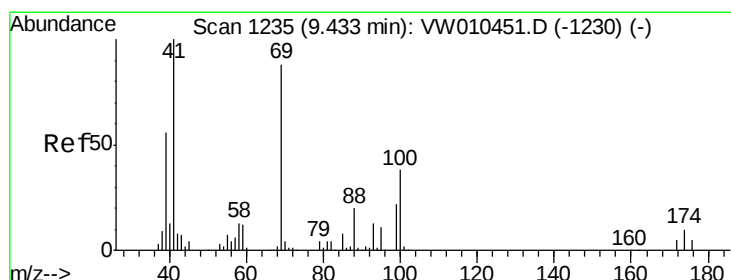
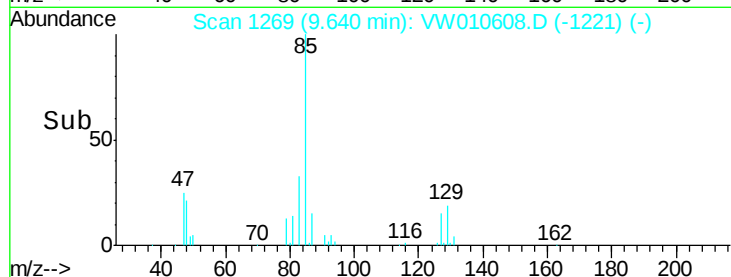
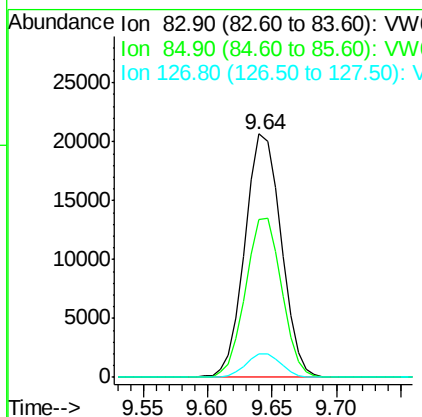
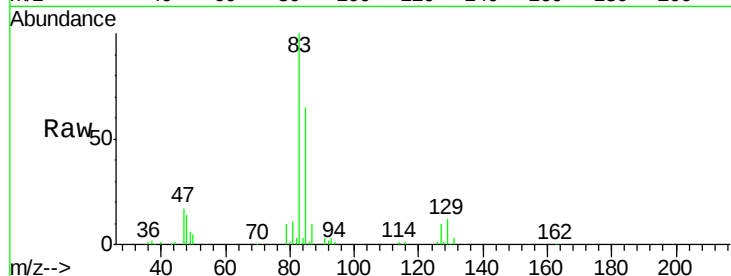
ClientSampleId :

VW0530SBS01

Tot Ion:	83	Resp:	40422
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6
127	9.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.694 ug/l

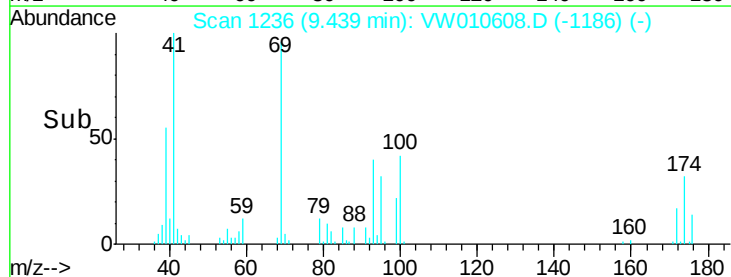
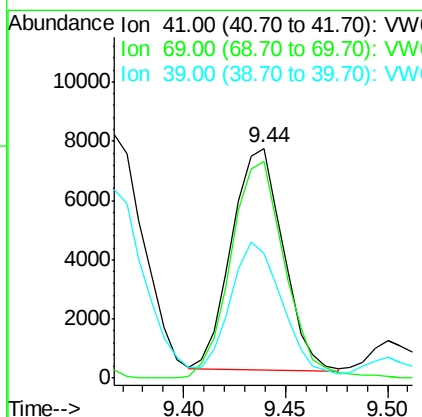
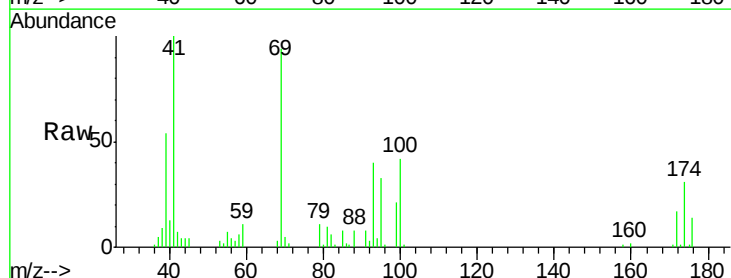
RT: 9.44 min Scan# 1236

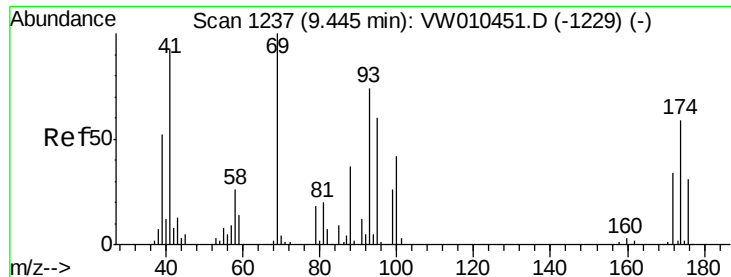
Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion:	41	Resp:	13154
Ion	Ratio	Lower	Upper
41	100		
69	102.8	77.6	116.4
39	58.1	49.8	74.8





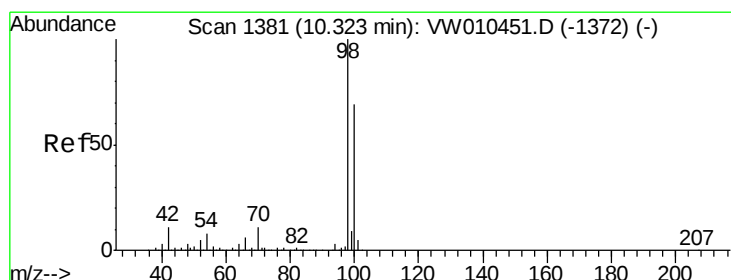
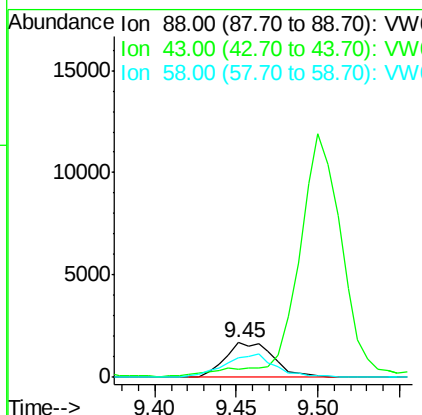
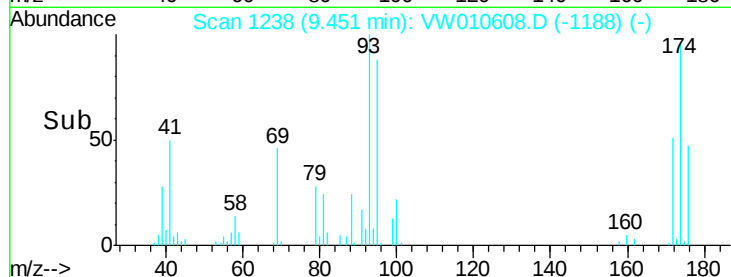
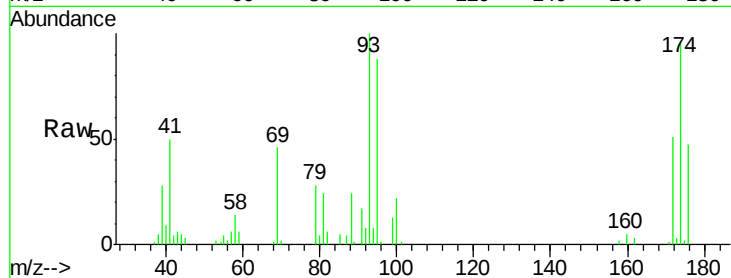
#49
1,4-Dioxane
Concen: 277.201 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.9	38.9#
58	69.3	52.7	79.1

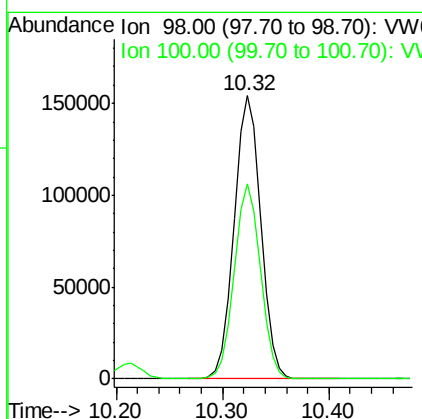
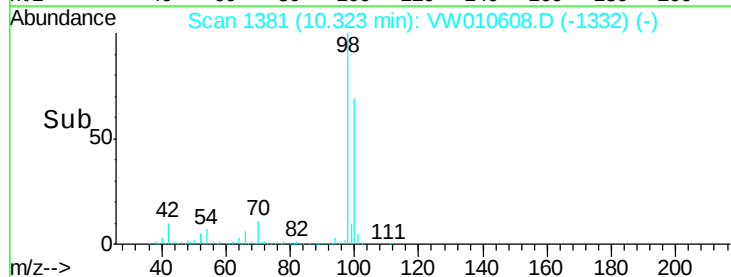
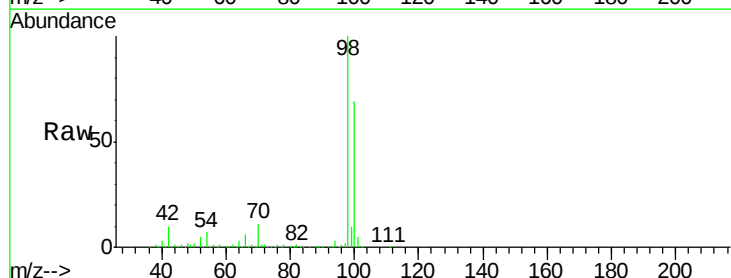
Manual Integrations
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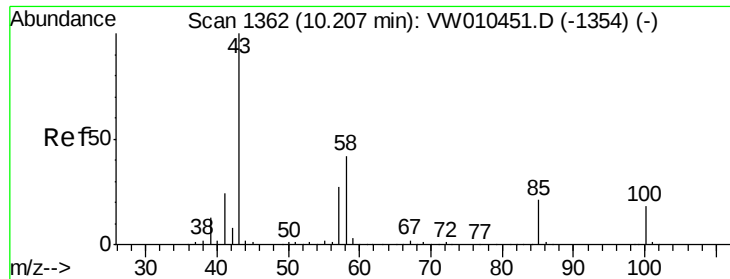
MMDadoda
6/1/2019 4:27:14 AM



#50
Toluene-d8
Concen: 53.754 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 85.929 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion: 43 Resp: 74993

Ion Ratio Lower Upper

43 100

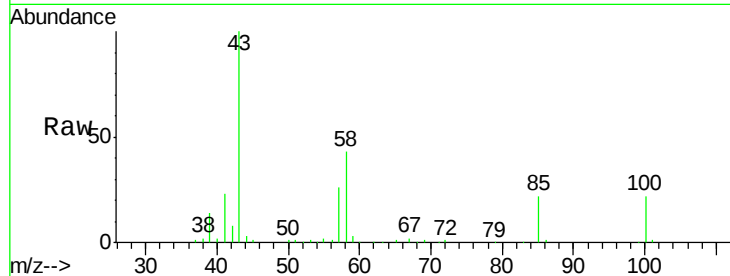
58 42.1 33.2 49.8

Manual Integrations

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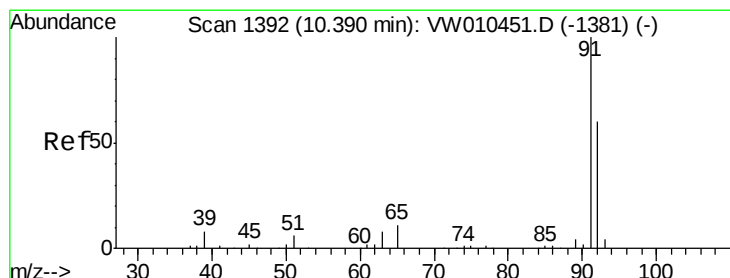
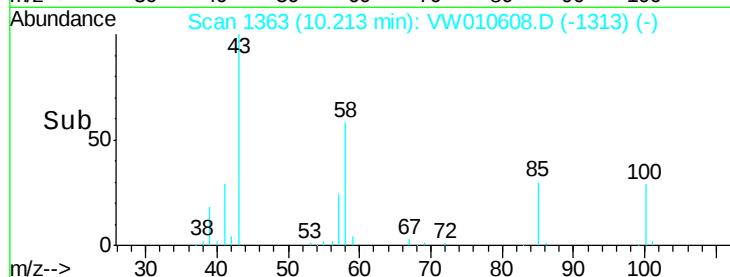
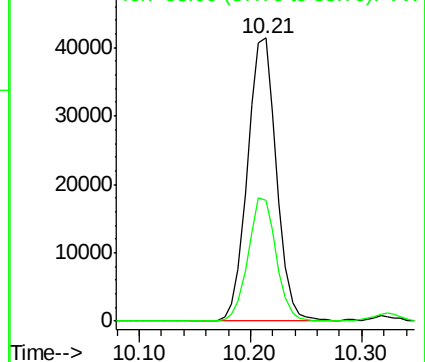
MMDadoda

6/1/2019 4:27:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 22.159 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010608.D

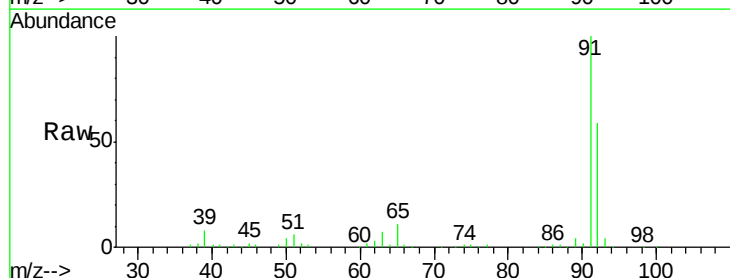
Acq: 30 May 2019 11:56

Tgt Ion: 92 Resp: 83854

Ion Ratio Lower Upper

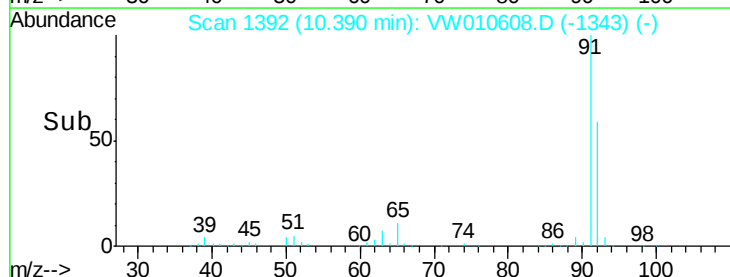
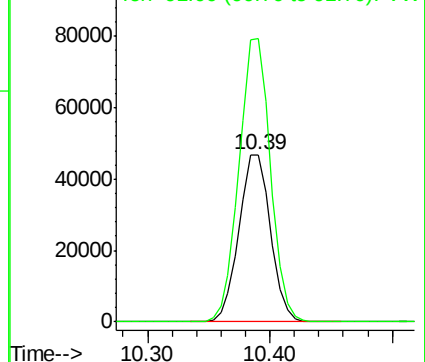
92 100

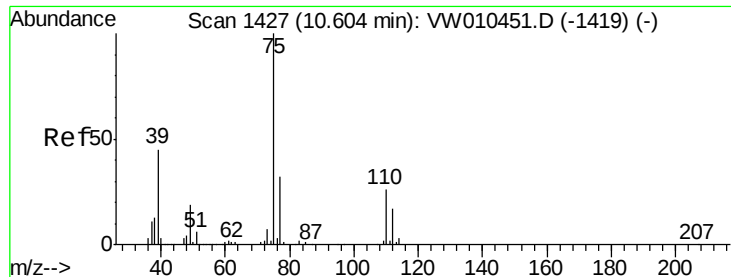
91 168.3 135.4 203.0



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: 19.132 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion: 75 Resp: 38109

Ion Ratio Lower Upper

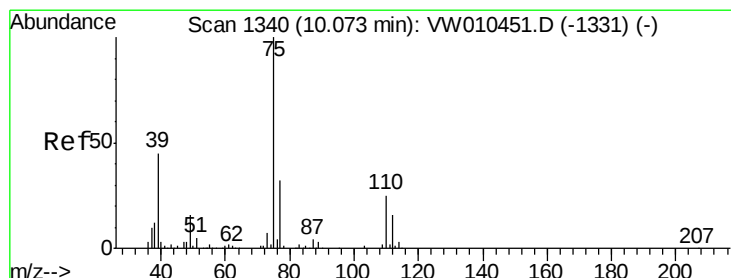
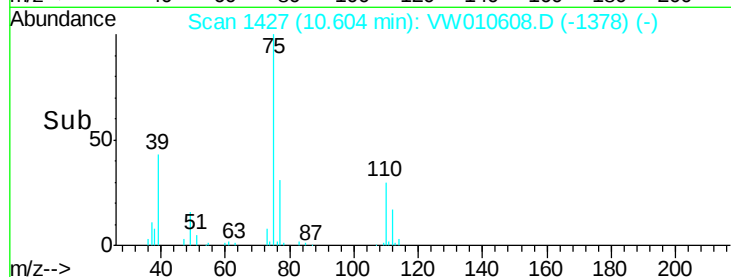
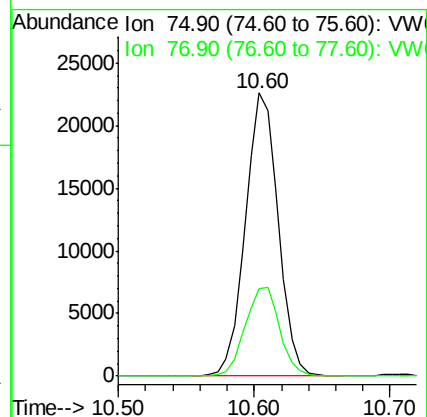
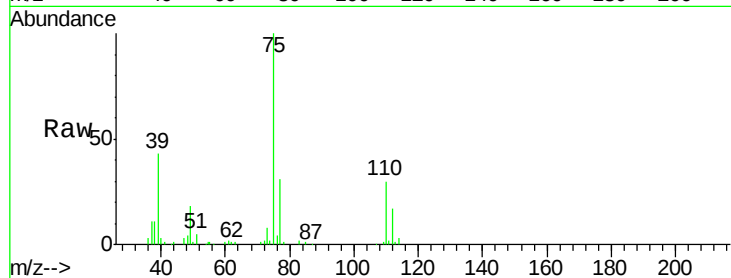
75 100

77 31.0 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 20.457 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

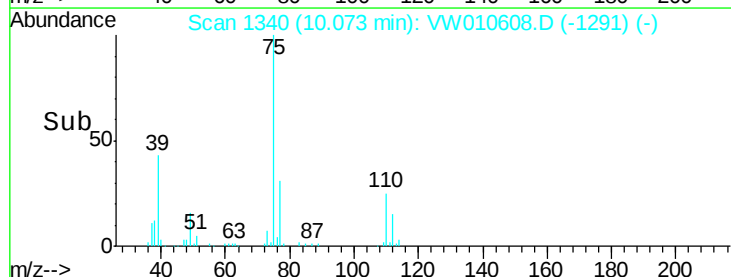
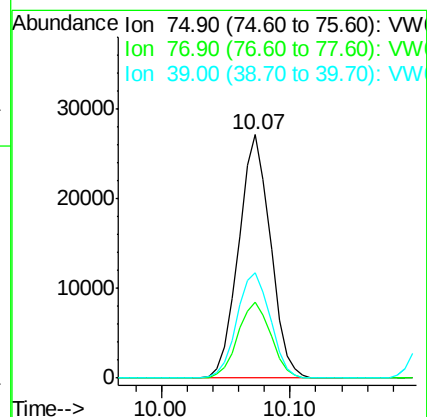
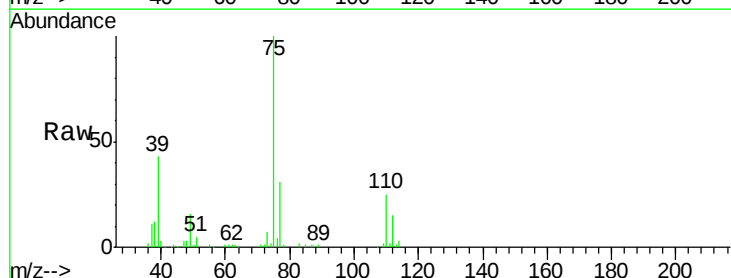
Tgt Ion: 75 Resp: 46536

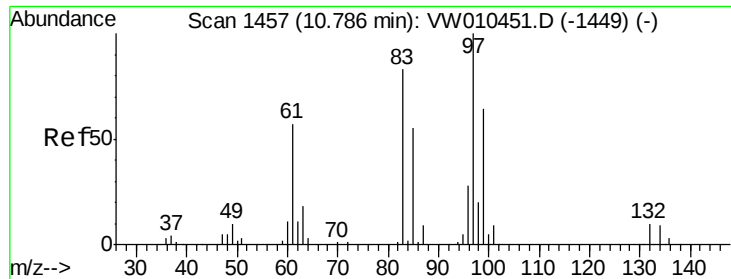
Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 43.3 36.2 54.4





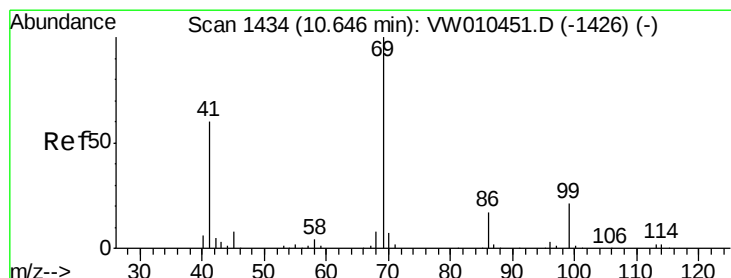
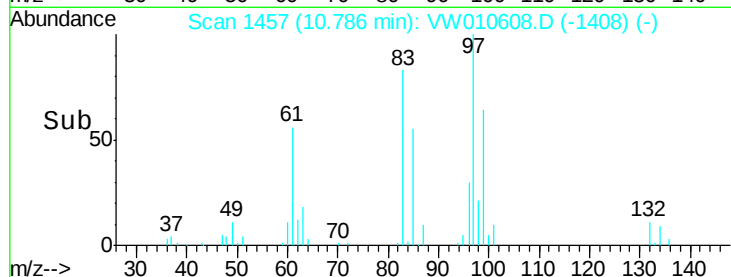
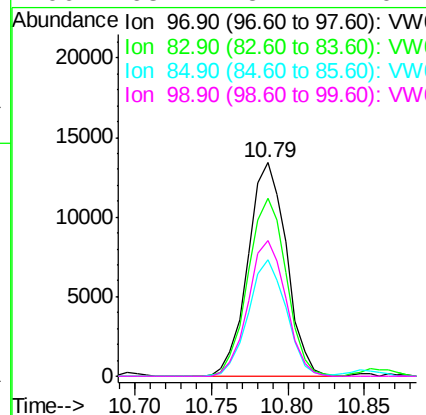
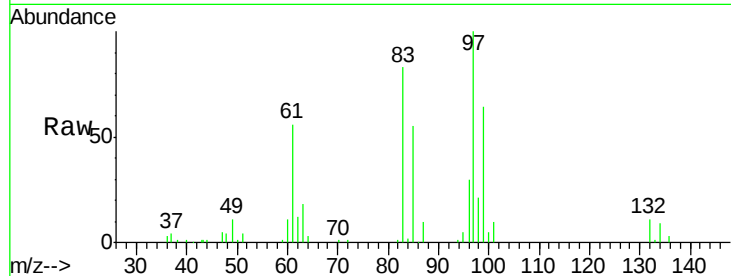
#55
 1,1,2-Trichloroethane
 Concen: 20.859 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		23476		
83	83.0	66.1	99.1		
85	54.7	44.2	66.4		
99	63.7	51.1	76.7		

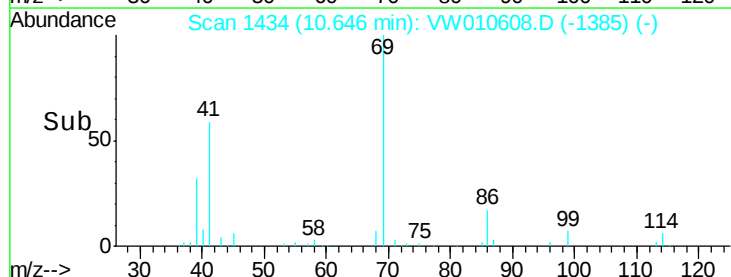
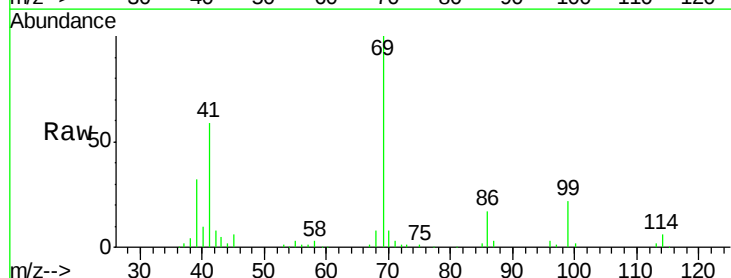
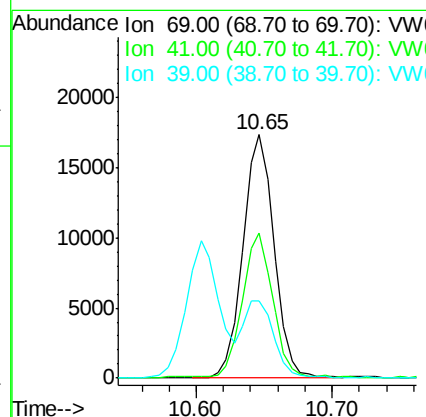
Manual Integrations
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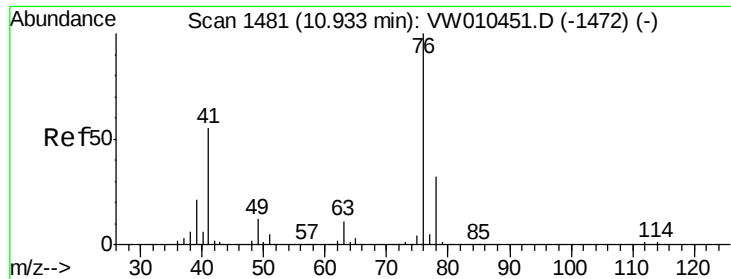
MMDadoda
 6/1/2019 4:27:14 AM



#56
 Ethyl methacrylate
 Concen: 17.855 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		27714		
41	59.2	47.7	71.5		
39	31.0	25.3	37.9		





#57

1,3-Dichloropropane

Concen: 20.479 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion: 76 Resp: 38608

Ion Ratio Lower Upper

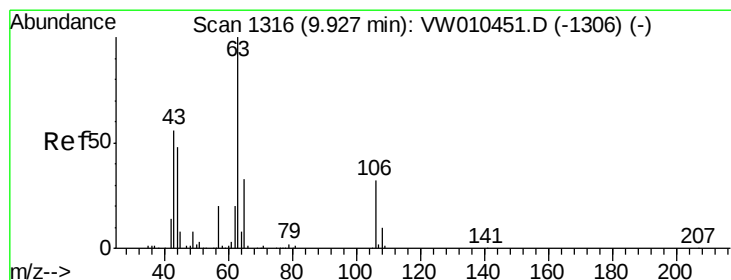
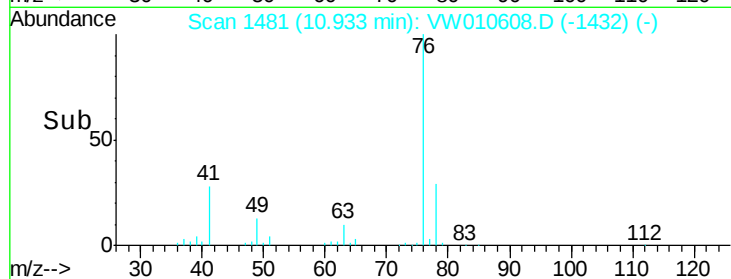
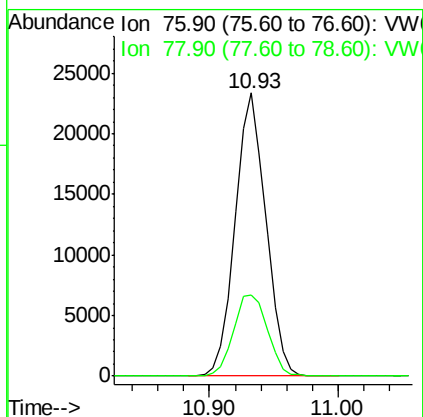
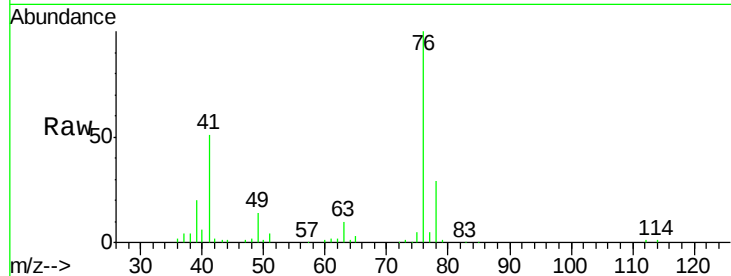
76 100

78 32.0 26.2 39.2

Manual Integrations
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6/1/2019 4:27:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.543 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010608.D

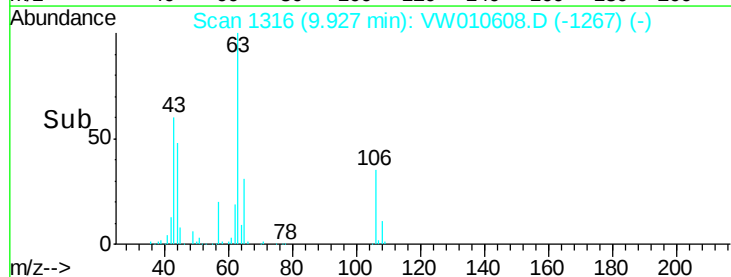
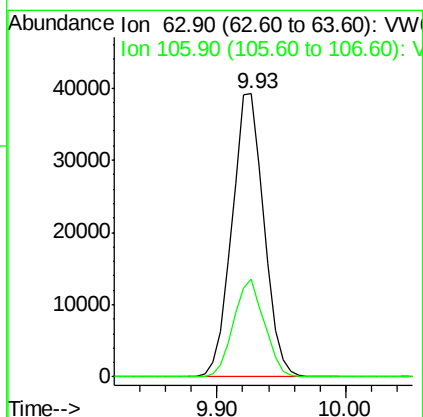
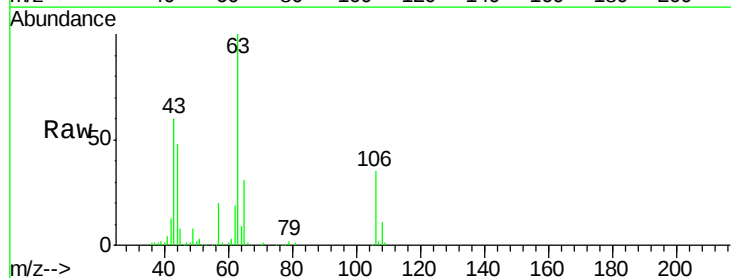
Acq: 30 May 2019 11:56

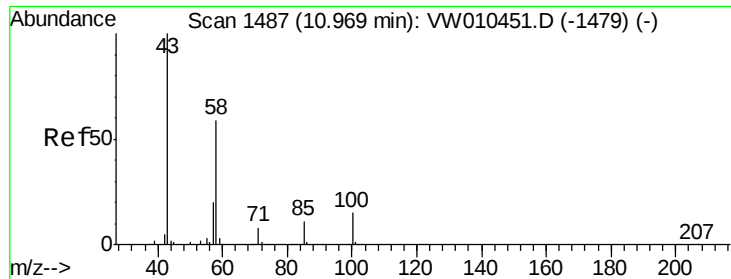
Tgt Ion: 63 Resp: 67749

Ion Ratio Lower Upper

63 100

106 33.3 25.8 38.6





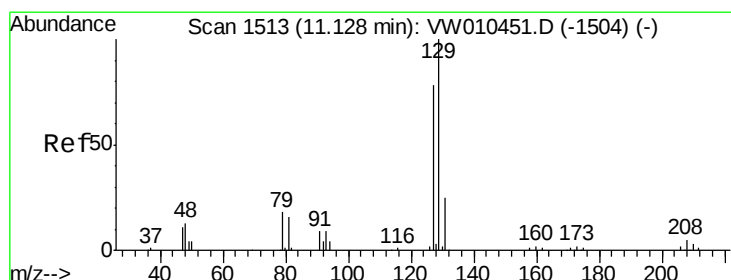
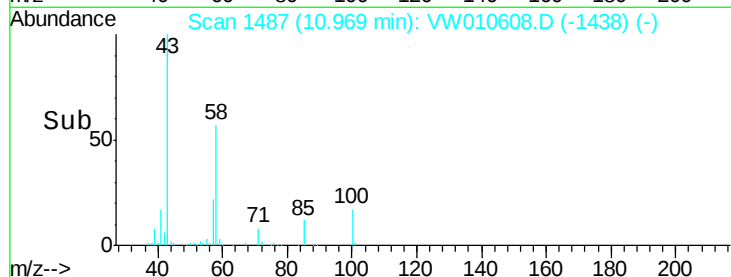
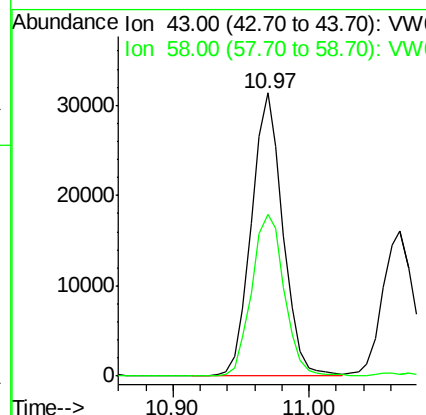
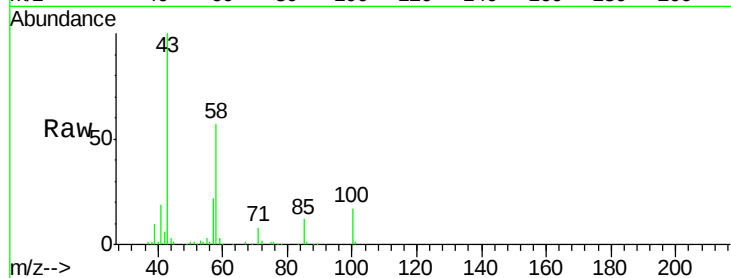
#59
2-Hexanone
Concen: 81.550 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion: 43 Resp: 50770
Ion Ratio Lower Upper
43 100
58 59.6 28.9 86.8

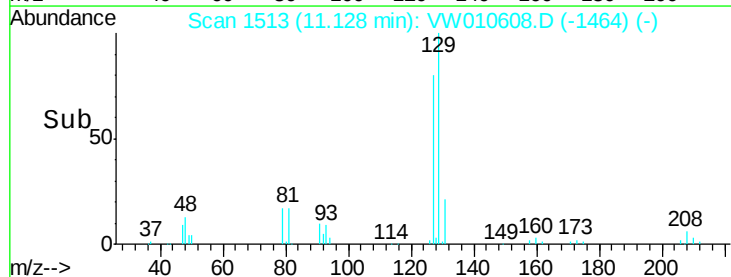
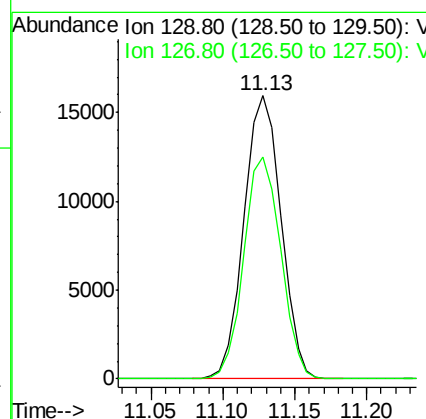
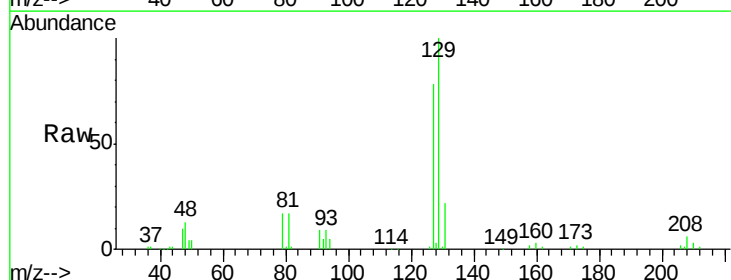
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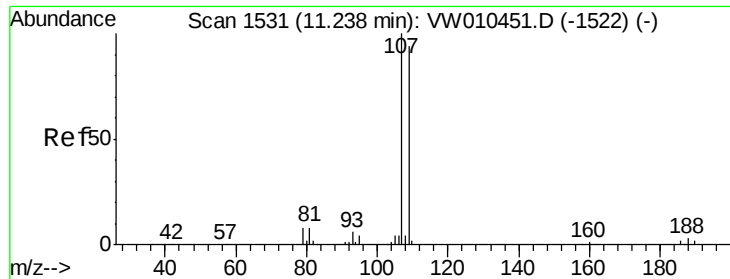
MMDadoda
6/1/2019 4:27:14 AM



#60
Dibromochloromethane
Concen: 20.031 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 129 Resp: 28531
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.333 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion: 107 Resp: 23181

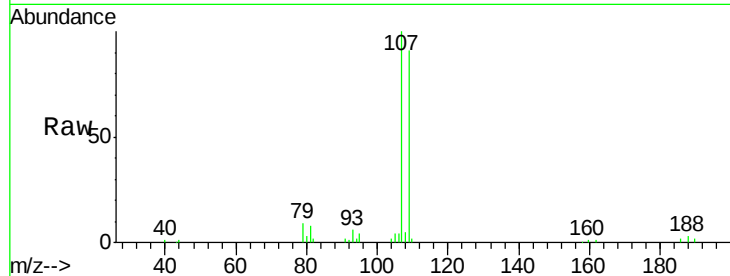
Ion Ratio Lower Upper

107 100

109 92.4 75.0 112.4

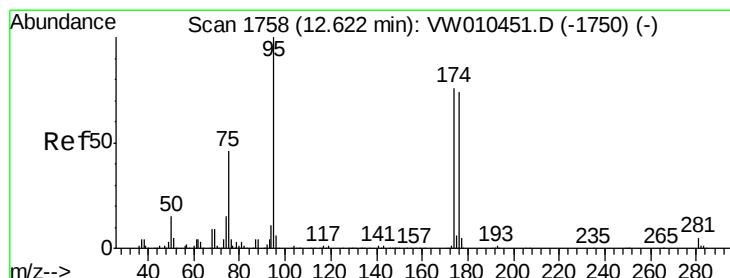
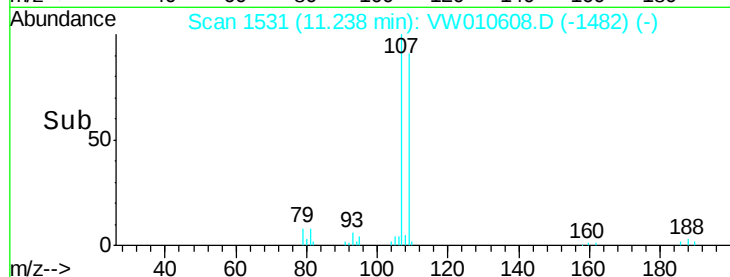
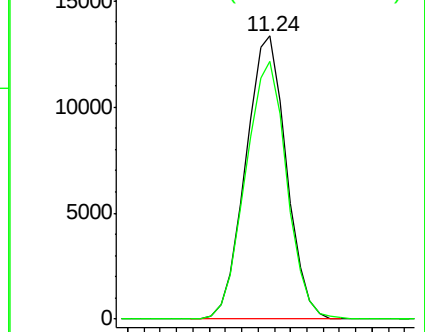
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.753 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

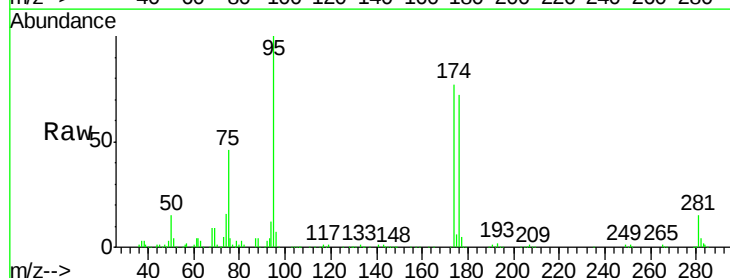
Tgt Ion: 95 Resp: 103992

Ion Ratio Lower Upper

95 100

174 75.0 0.0 148.6

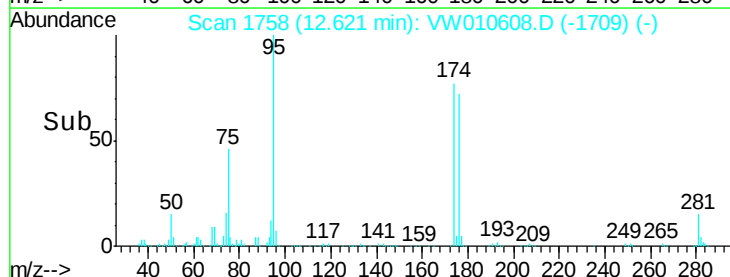
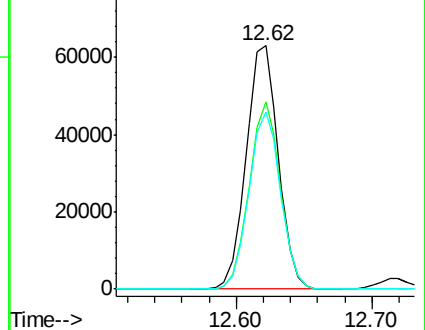
176 72.0 0.0 144.2

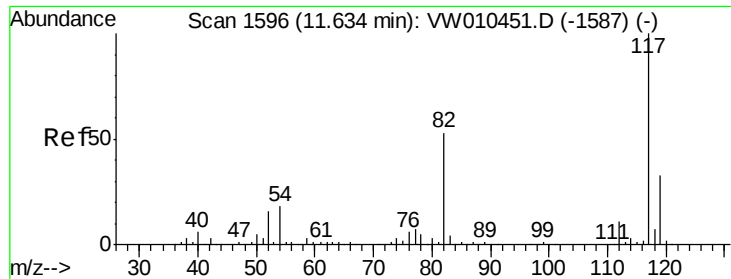


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





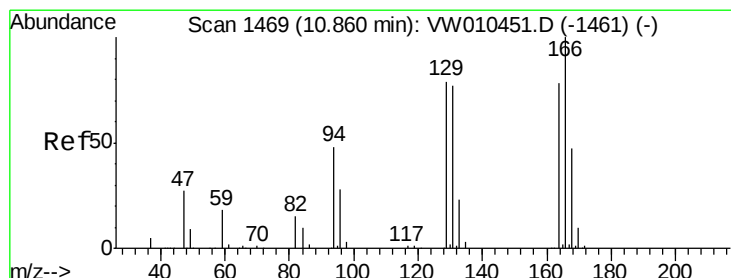
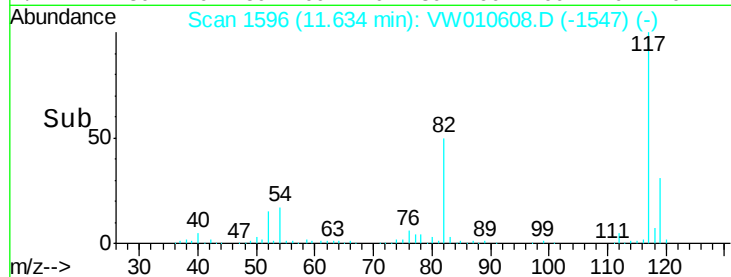
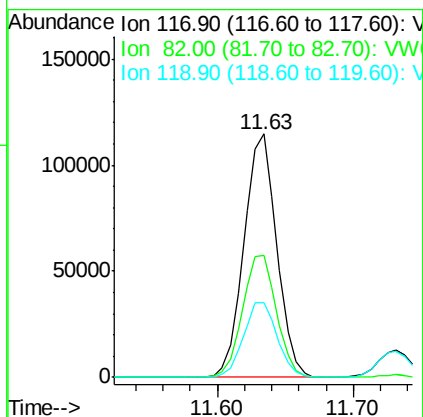
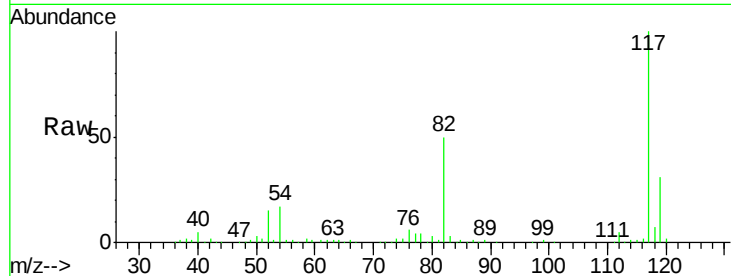
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	193103		
82	50.3	42.8	64.2	
119	30.9	26.3	39.5	

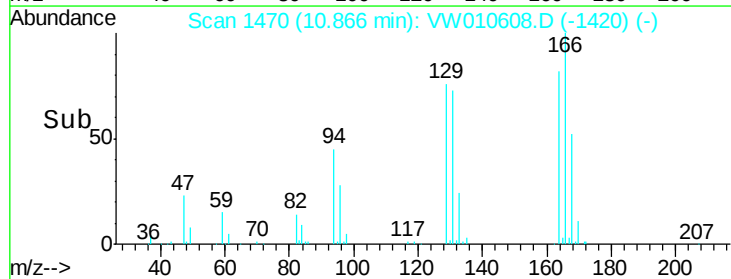
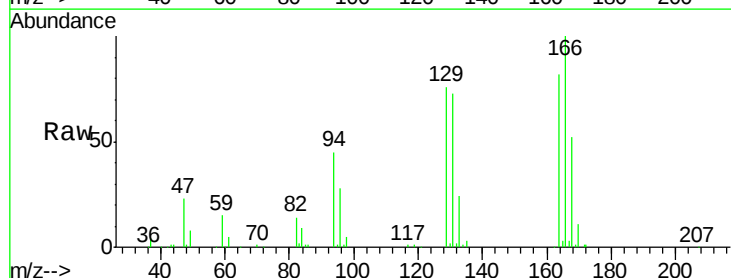
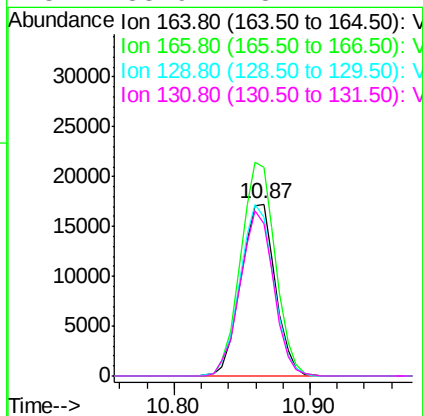
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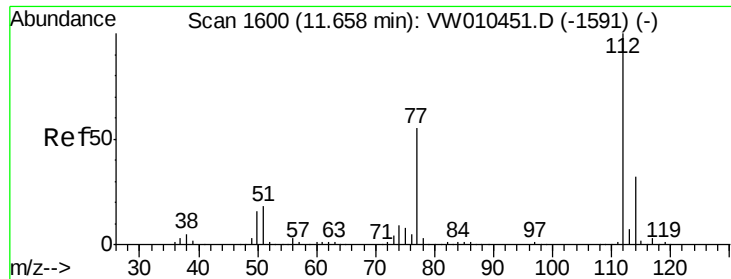
MMDadoda
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#64
Tetrachloroethene
Concen: 22.575 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30388		
166	121.3	101.9	152.9	
129	92.3	80.6	121.0	
131	88.9	78.2	117.2	





#65

Chlorobenzene

Concen: 22.320 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion:112 Resp: 91856

Ion Ratio Lower Upper

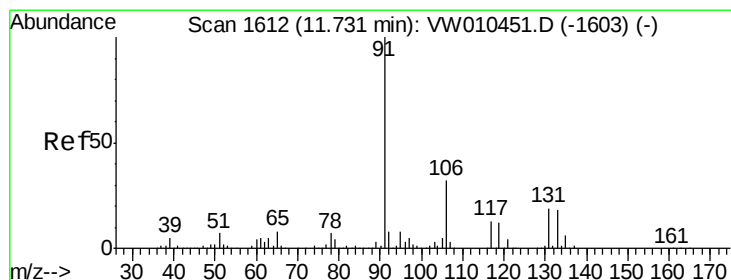
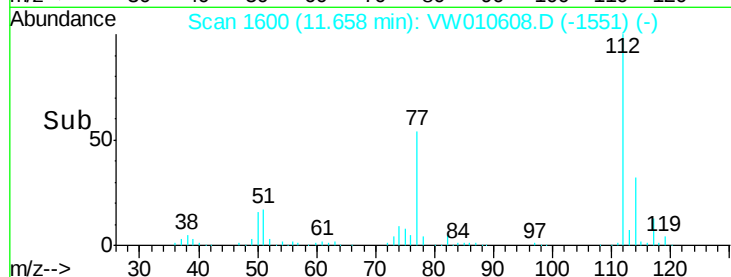
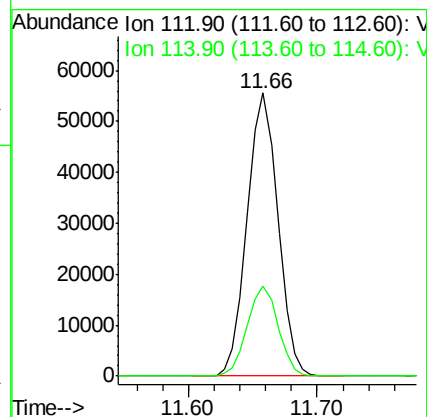
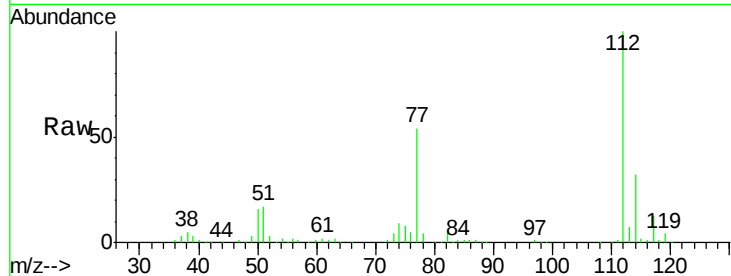
112 100

114 31.6 25.3 37.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.953 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

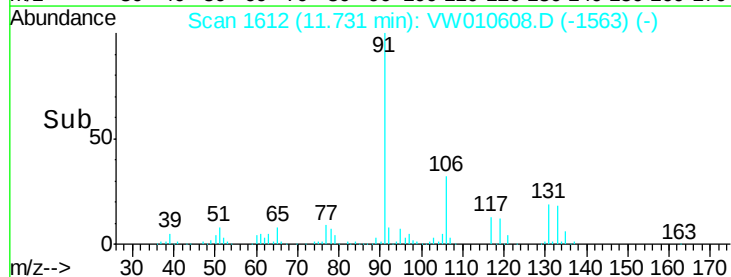
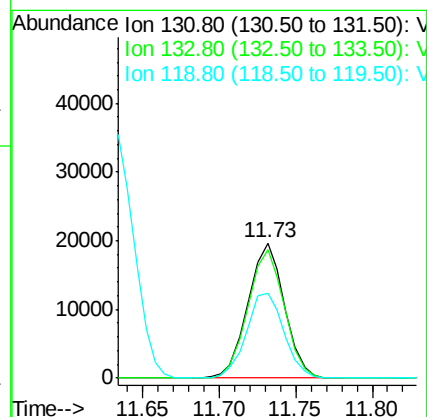
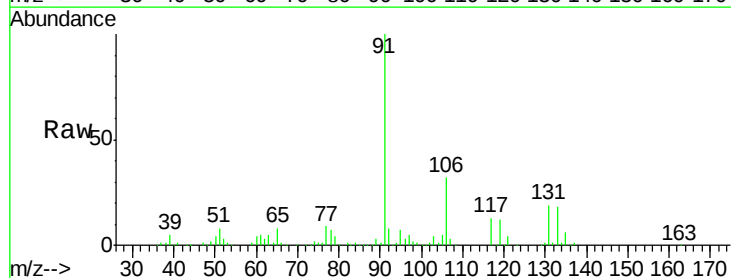
Tgt Ion:131 Resp: 32364

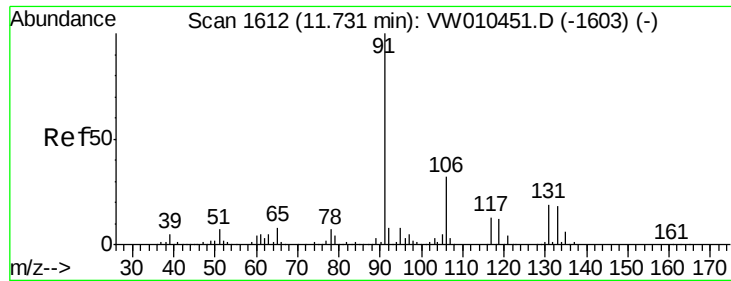
Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.9

119 65.1 32.1 96.5





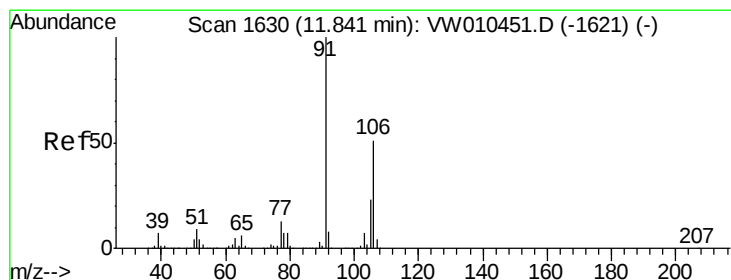
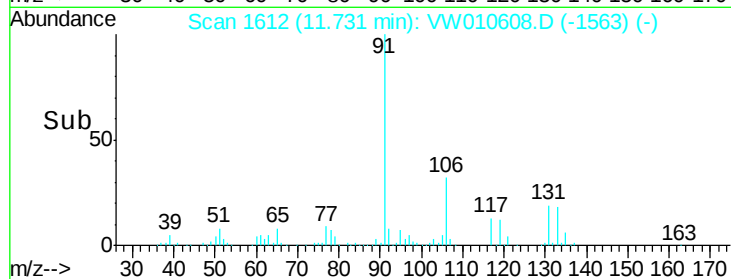
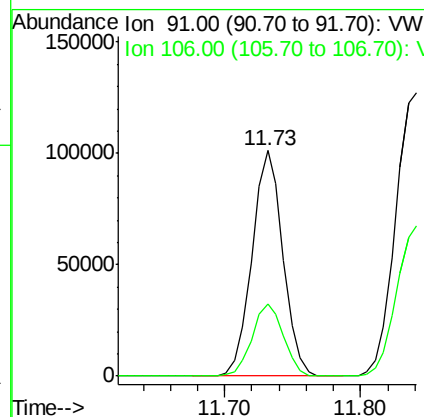
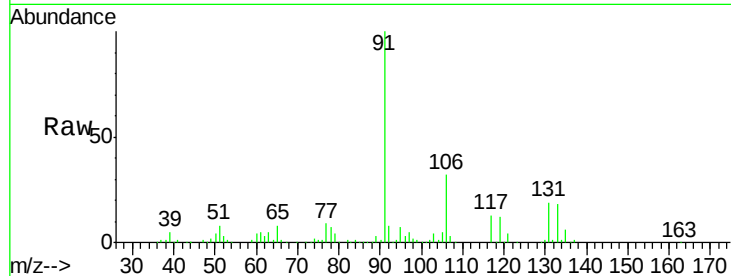
#67
Ethyl Benzene
Concen: 22.126 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

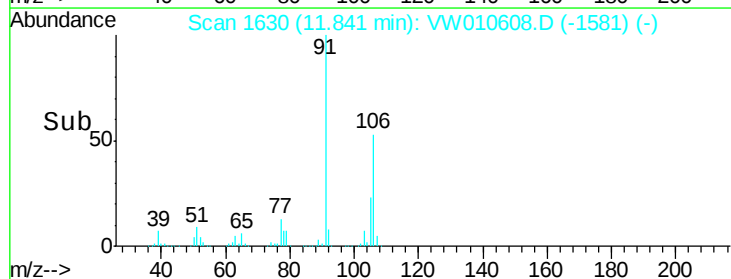
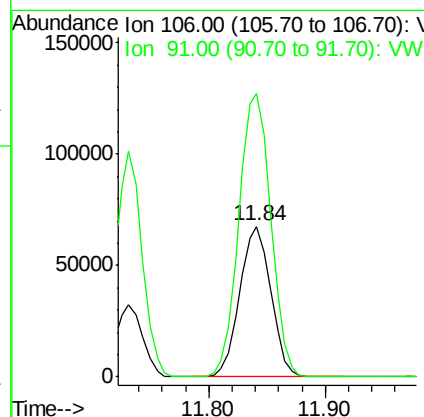
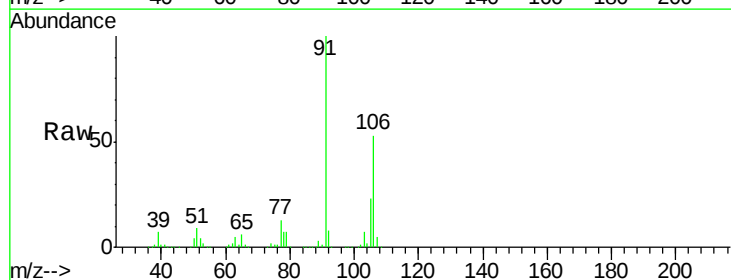
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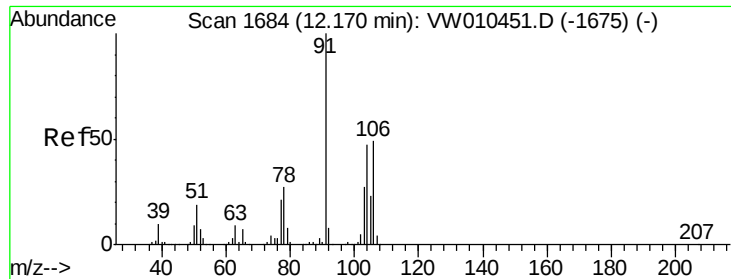
MMDadoda
6/1/2019 4:27:14 AM



#68
m/p-Xylenes
Concen: 44.253 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.1	156.0	234.0





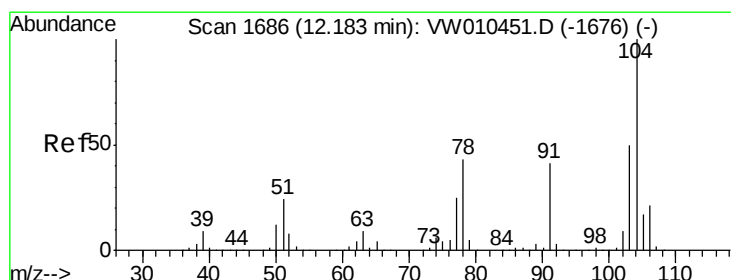
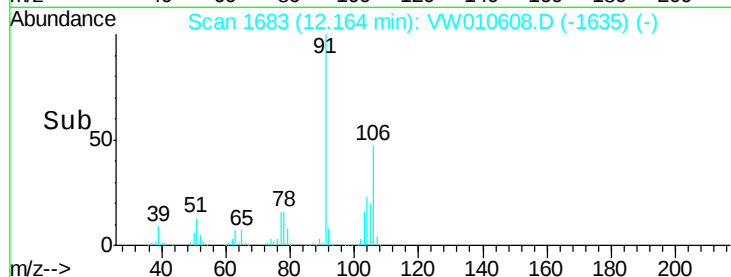
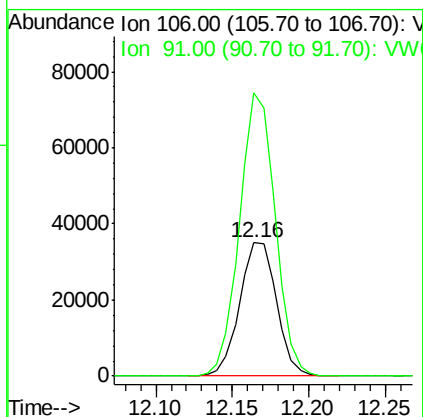
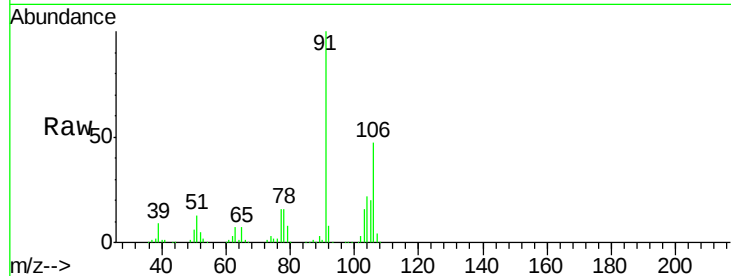
#69
o-Xylene
Concen: 21.758 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion:106 Resp: 58752
Ion Ratio Lower Upper
106 100
91 205.7 103.2 309.4

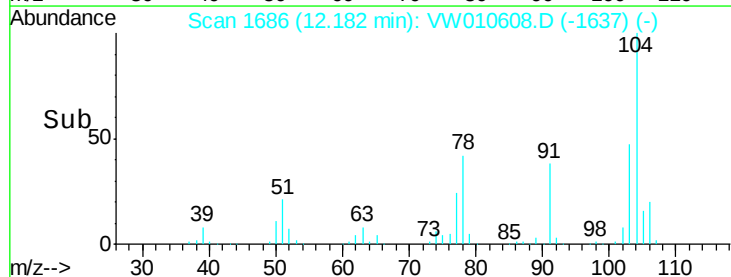
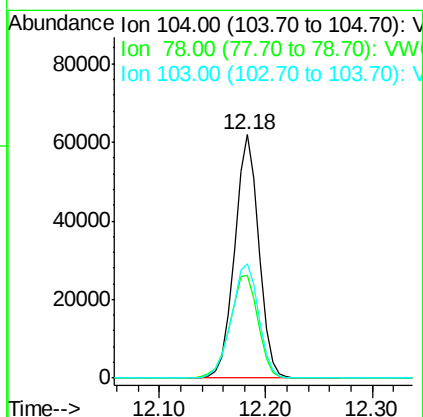
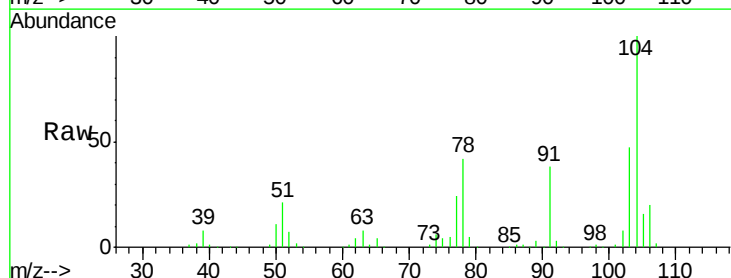
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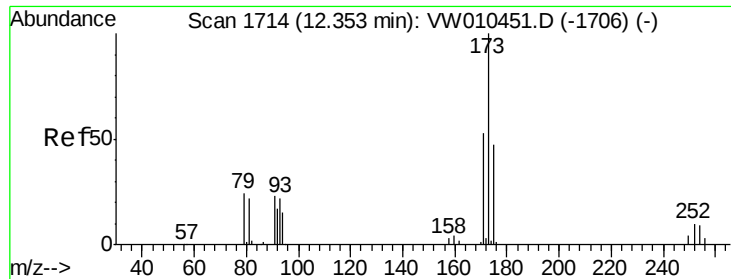
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6/1/2019 4:27:14 AM



#70
Styrene
Concen: 21.543 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion:104 Resp: 98700
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 53.0 43.0 64.6





#71

Bromoform

Concen: 18.380 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

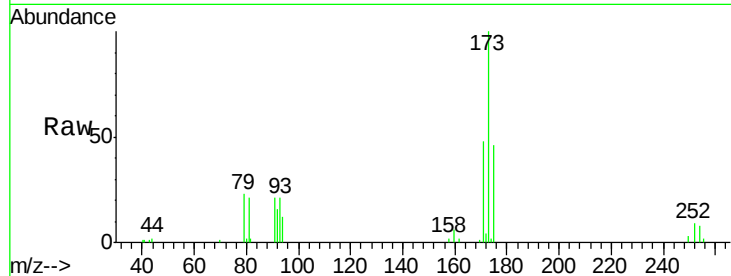
ClientSampleId :

VW0530SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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6/1/2019 4:27:14 AM

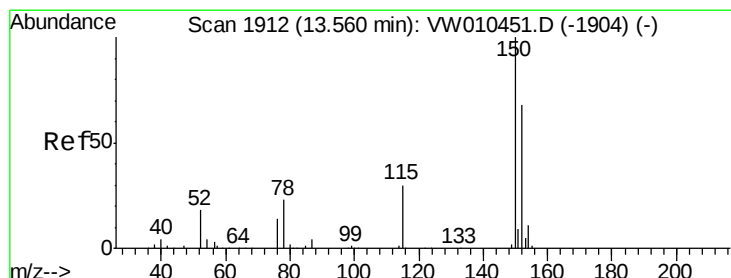
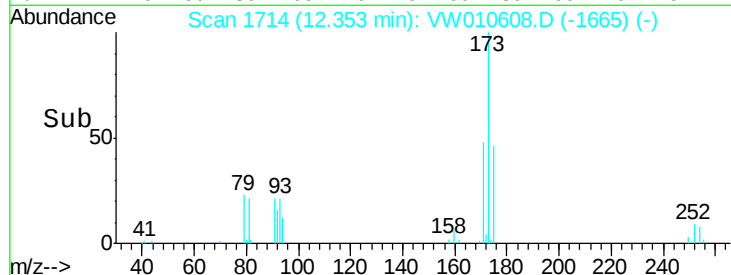
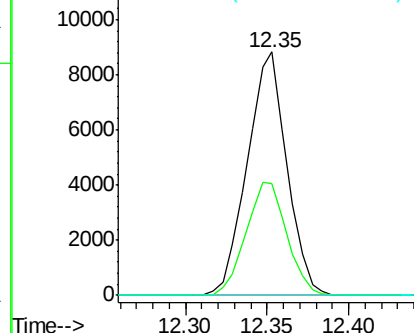


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

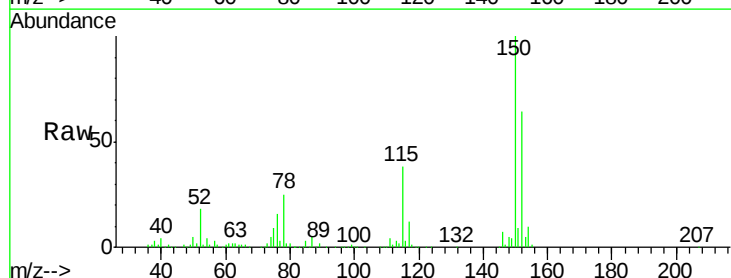
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.3	91.0
150	164.5	0.0	349.8

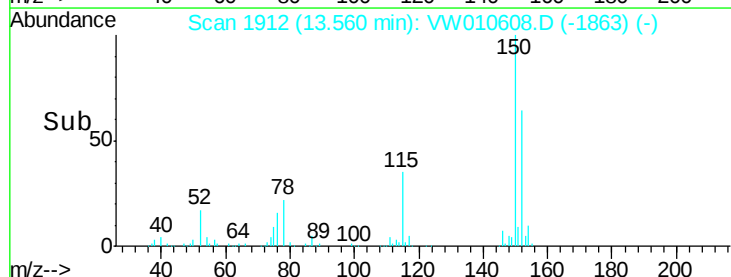
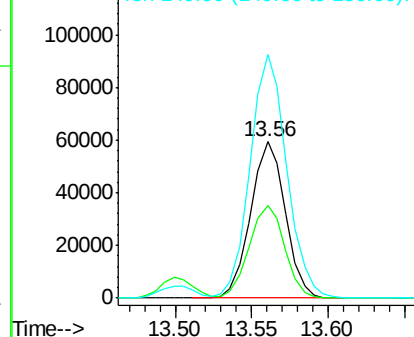


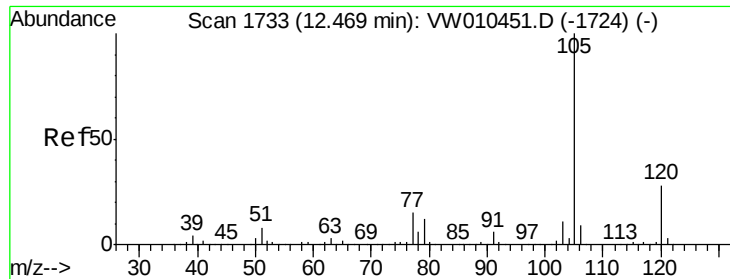
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





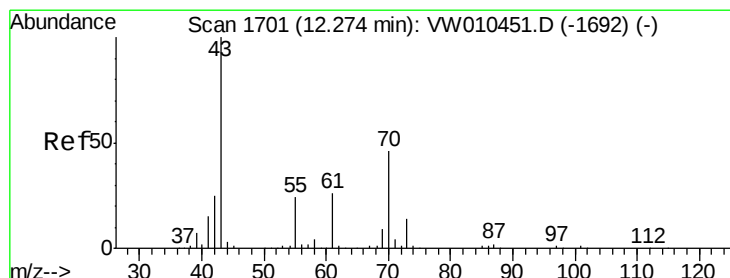
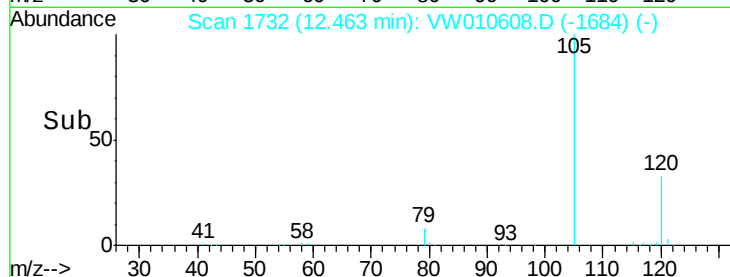
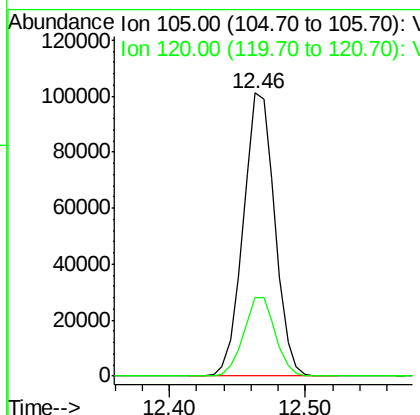
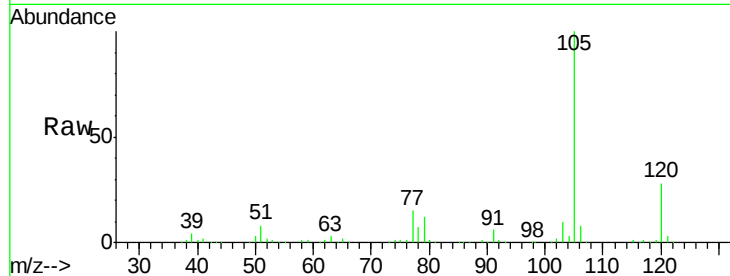
#73
Isopropylbenzene
Concen: 22.046 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion: 105 Resp: 163332
Ion Ratio Lower Upper
105 100
120 27.8 13.9 41.7

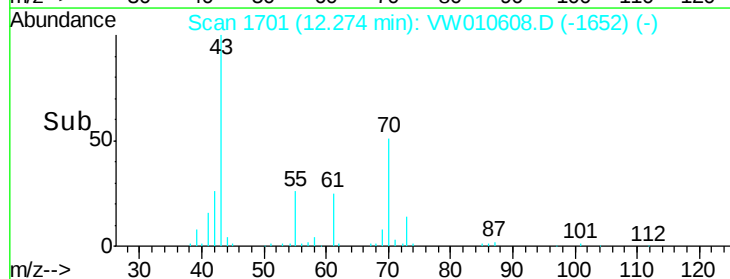
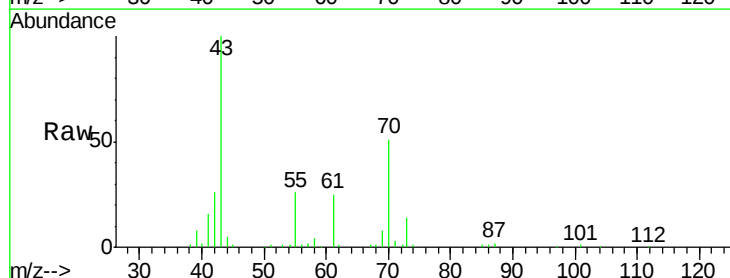
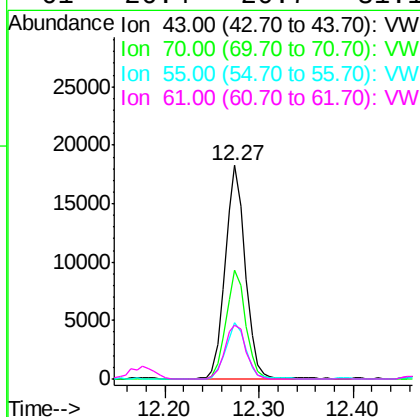
Manual Integrations
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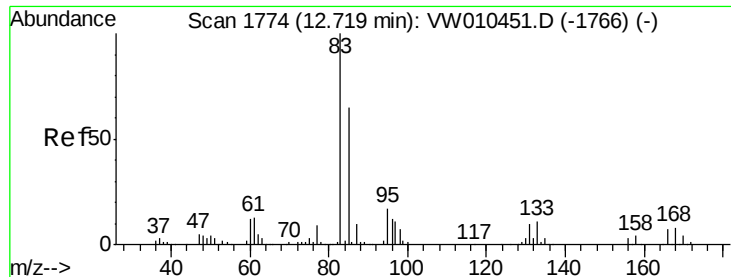
MMDadoda
6/1/2019 4:27:14 AM



#74
N-ethyl acetate
Concen: 16.012 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion: 43 Resp: 27184
Ion Ratio Lower Upper
43 100
70 49.8 37.1 55.7
55 26.6 19.6 29.4
61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.588 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

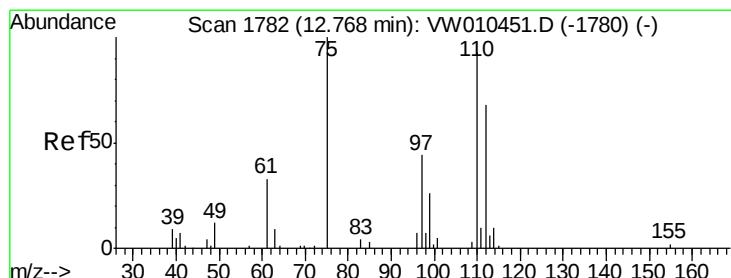
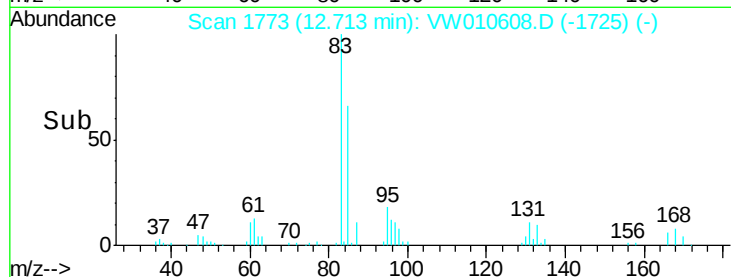
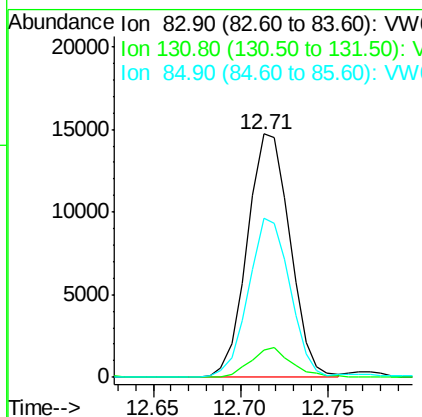
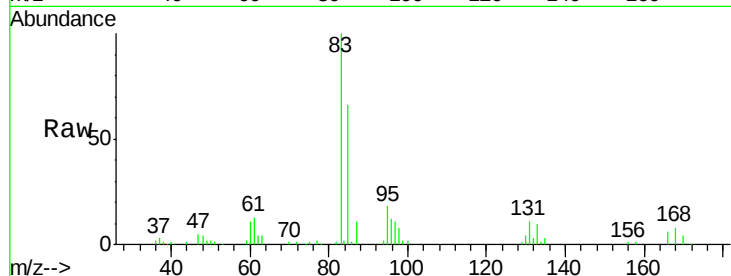
ClientSampleId :

VW0530SBS01

Tot Ion:	83	Resp:	25049
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.6	16.8
85	63.8	32.4	97.0

Manual Integrations
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6/1/2019 4:27:14 AM



#76

1,2,3-Trichloropropane

Concen: 14.513 ug/l m

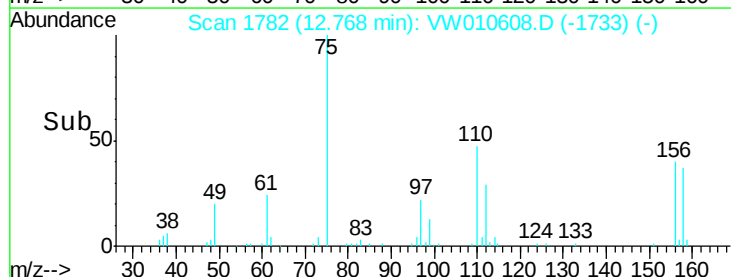
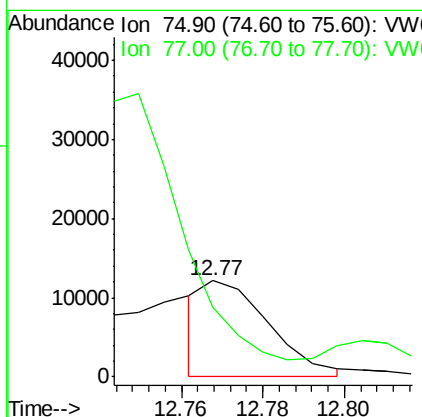
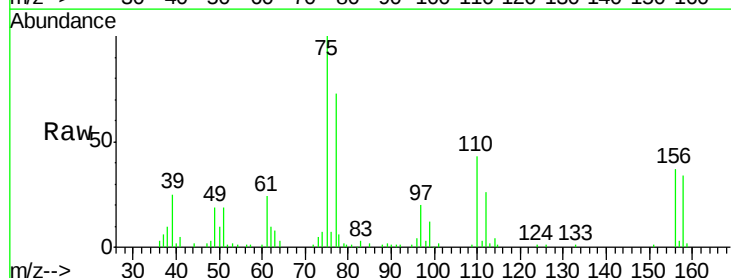
RT: 12.77 min Scan# 1782

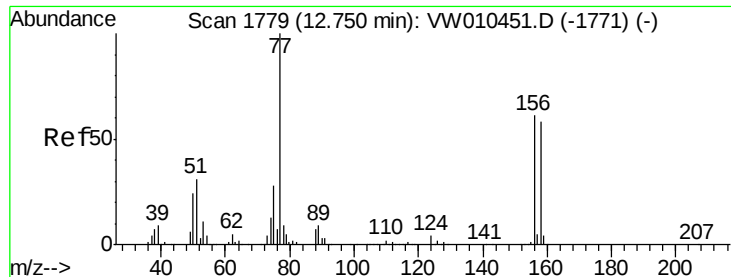
Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion:	75	Resp:	13754
Ion Ratio	Lower	Upper	
75	100		
77	478.3	170.0	510.1





#77

Bromobenzene

Concen: 22.819 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

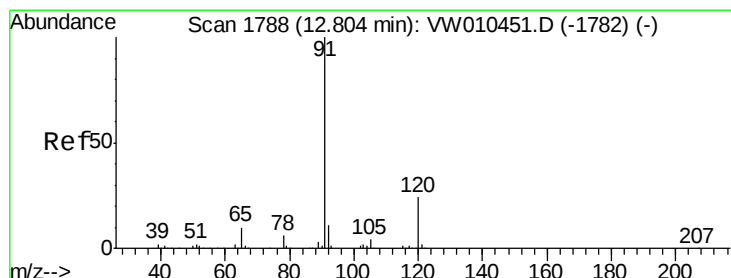
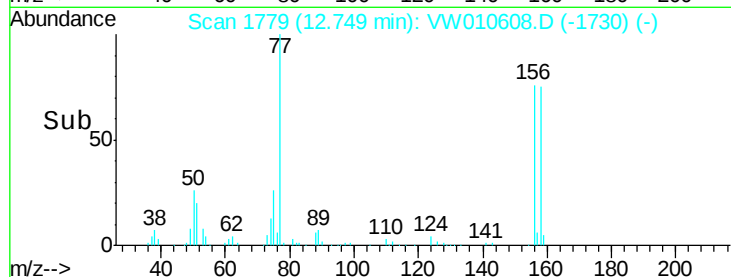
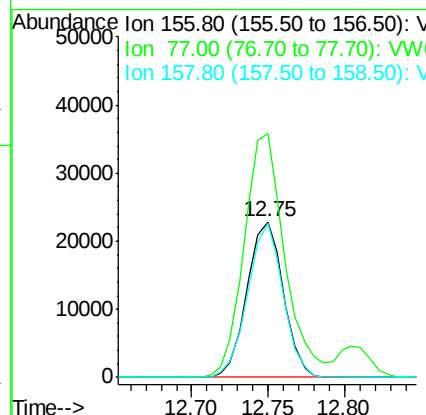
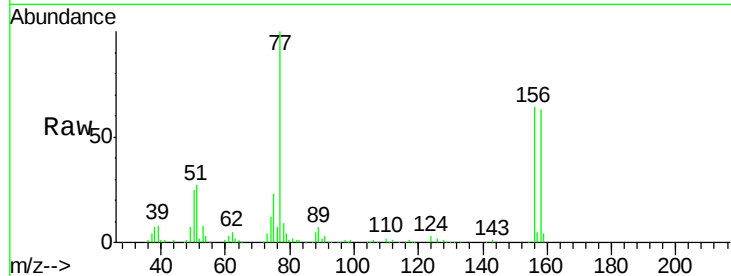
ClientSampleId :

VW0530SBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	37833		
77	173.9	92.4	277.2	
158	95.9	48.3	144.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 21.738 ug/l

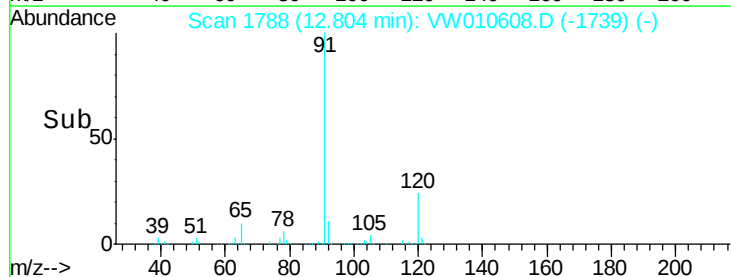
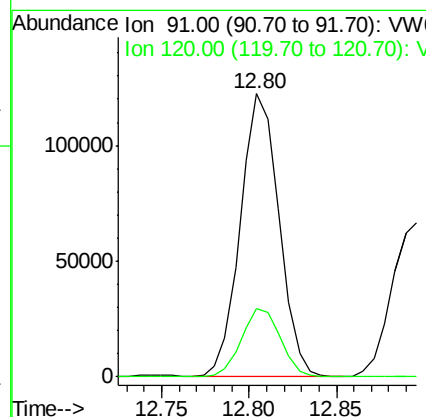
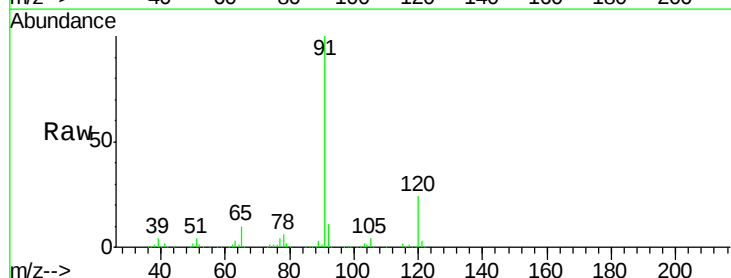
RT: 12.80 min Scan# 1788

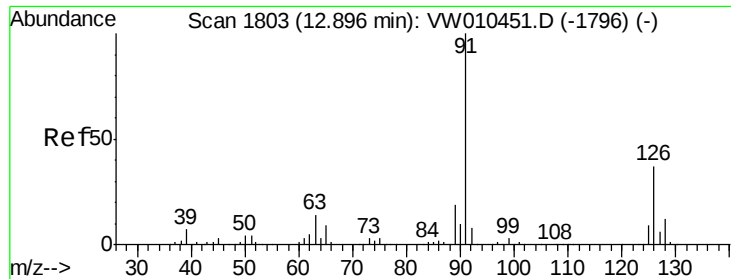
Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	187688		
120	24.4	12.3	36.8	





#79

2-Chlorotoluene

Concen: 21.560 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion: 91 Resp: 107951

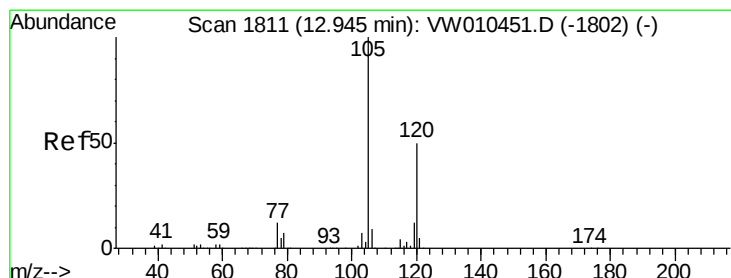
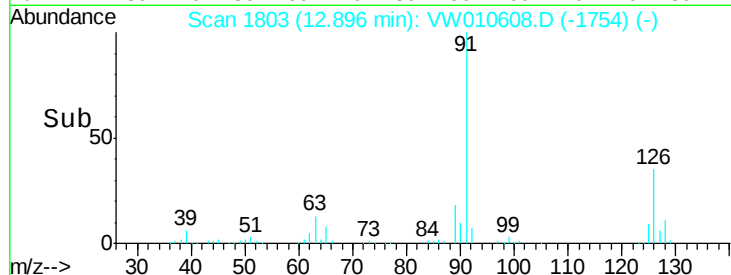
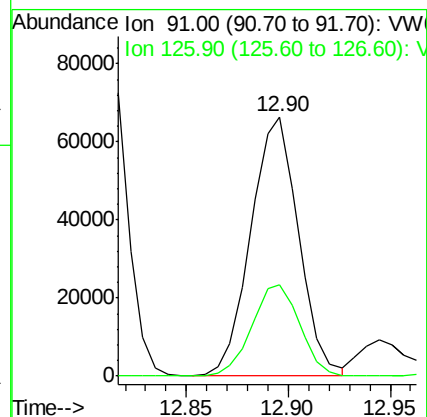
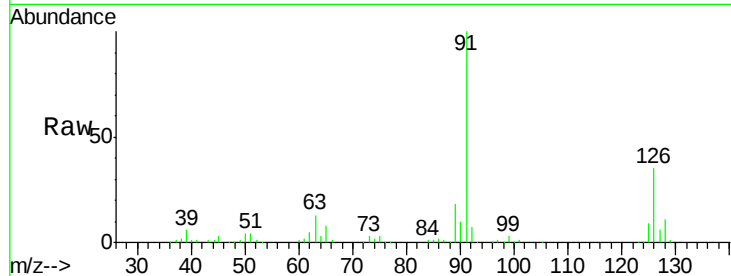
Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.614 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010608.D

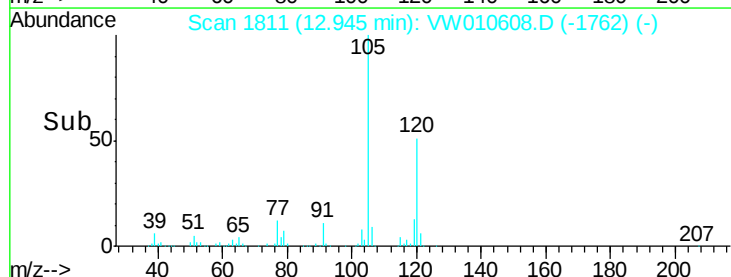
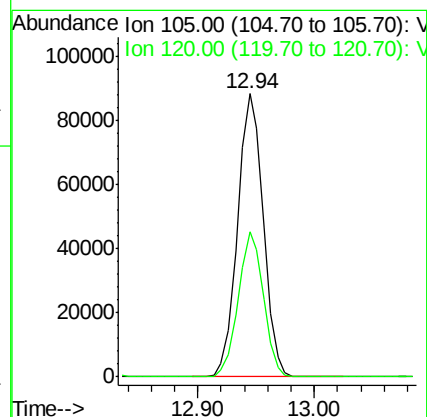
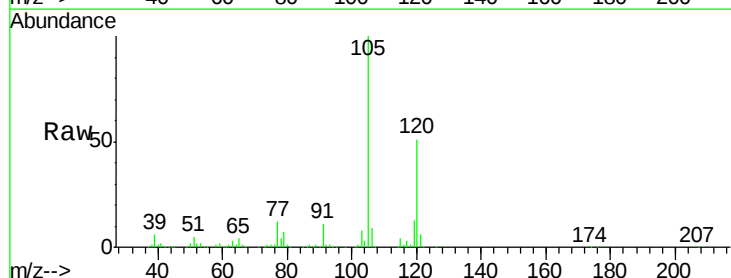
Acq: 30 May 2019 11:56

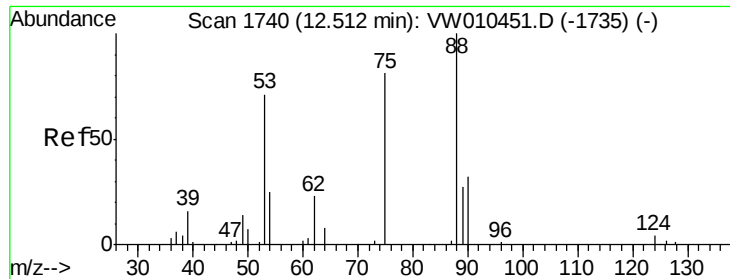
Tgt Ion:105 Resp: 135622

Ion Ratio Lower Upper

105 100

120 50.2 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.750 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

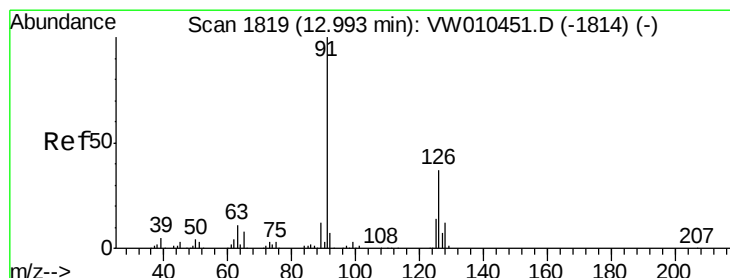
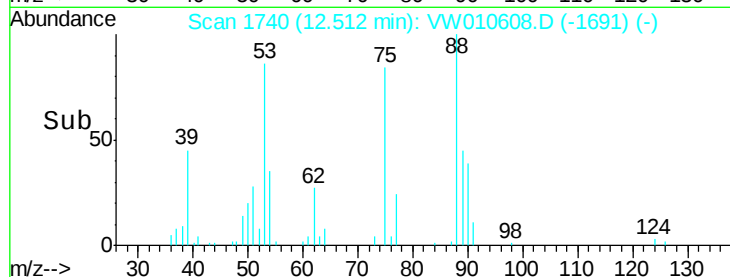
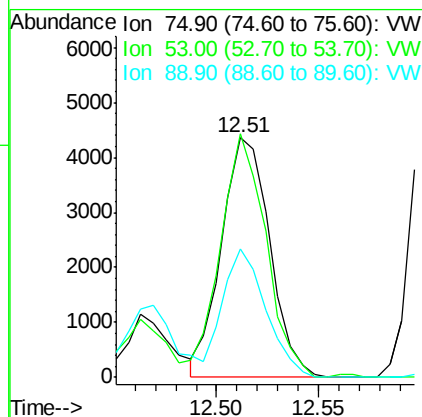
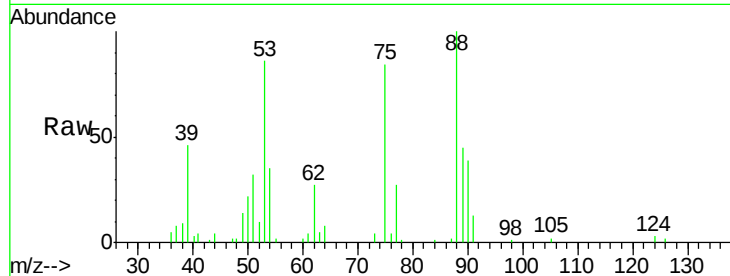
ClientSampleId :

VW0530SBS01

Tot Ion:	75	Resp:	7152
Ion	Ratio	Lower	Upper
75	100		
53	96.4	69.8	104.8
89	48.0	39.5	59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.907 ug/l

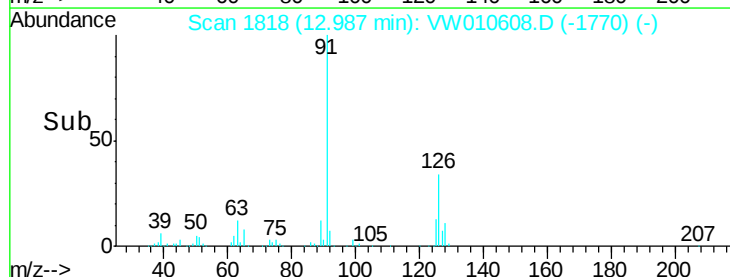
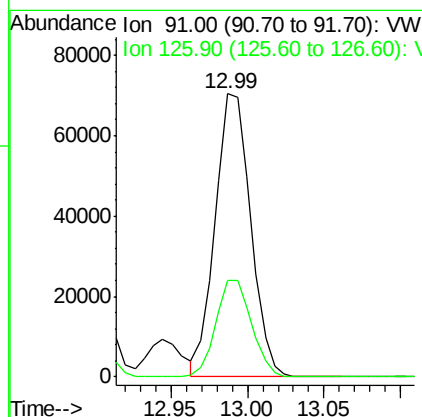
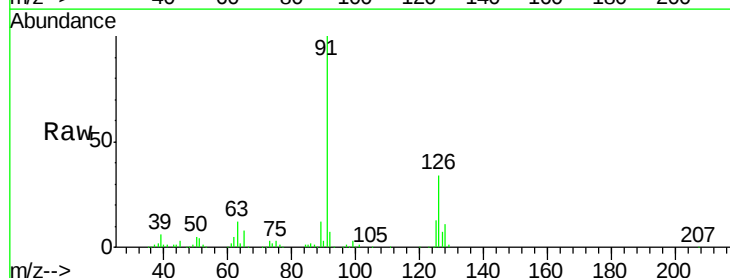
RT: 12.99 min Scan# 1818

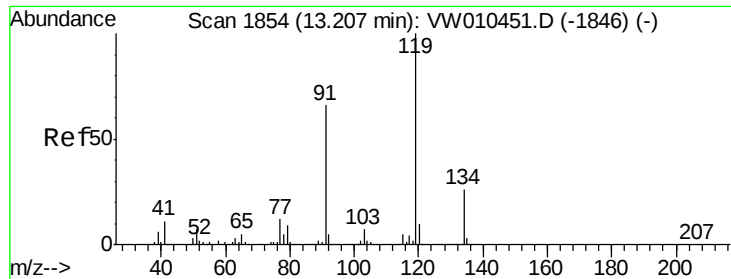
Delta R.T. -0.01 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Tgt Ion:	91	Resp:	113851
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.5	52.6





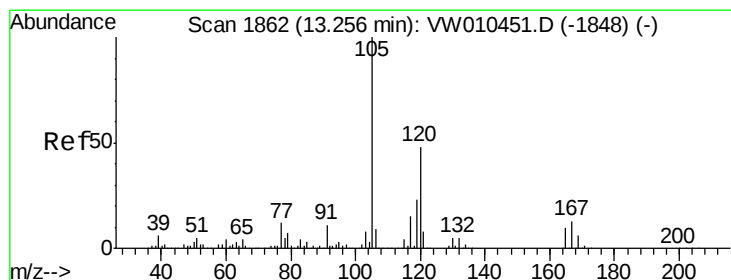
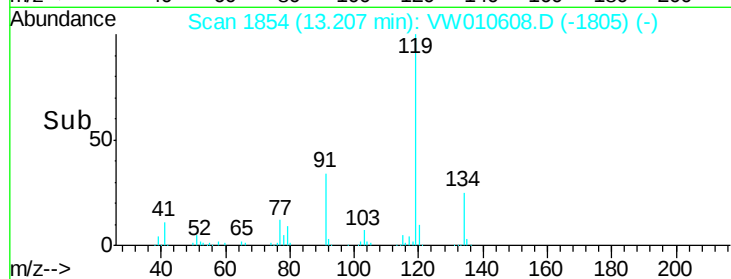
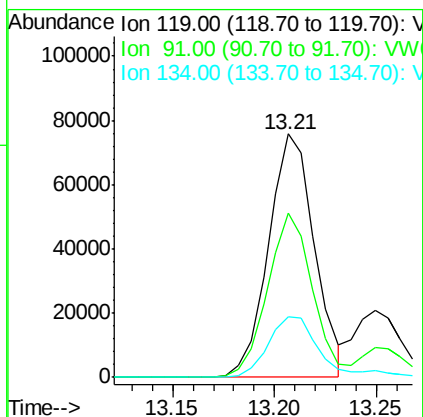
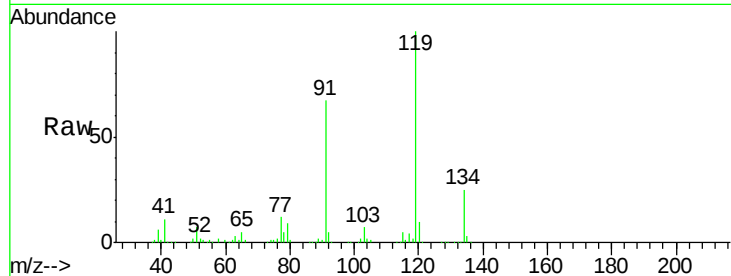
#83
tert-Butylbenzene
Concen: 21.707 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118974		
91	66.5		33.1	99.5
134	28.3		13.9	41.6

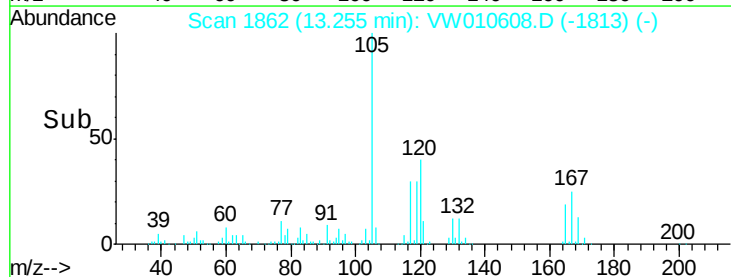
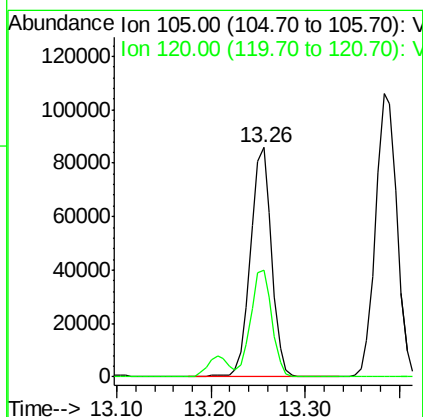
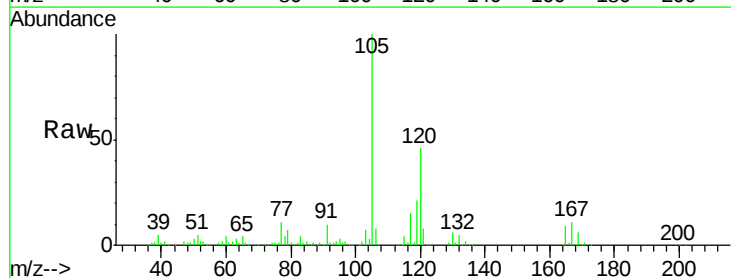
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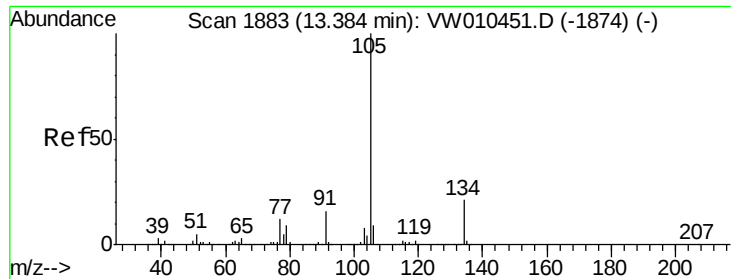
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.670 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	135425		
120	46.8		23.4	70.2





#85

sec-Butylbenzene

Concen: 21.605 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0530SBS01

Tot Ion:105 Resp: 165716

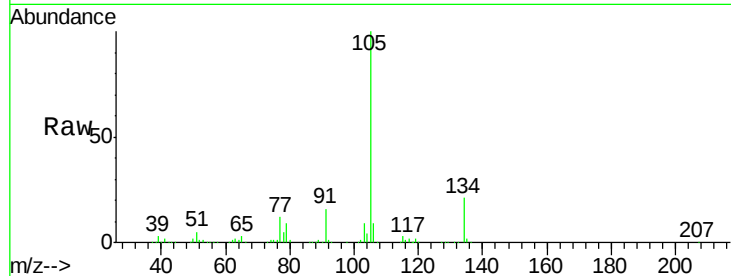
Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.6

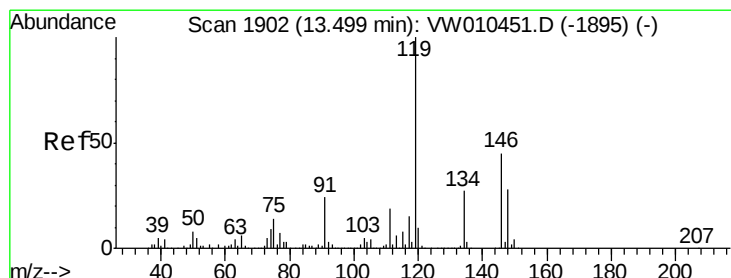
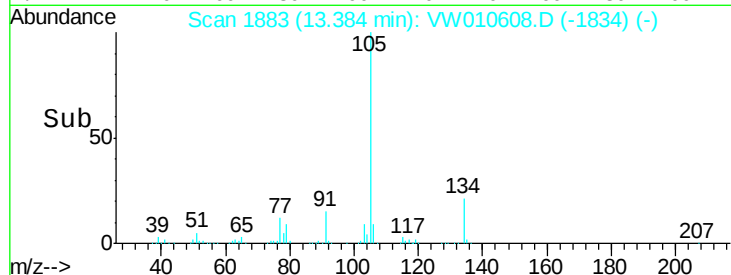
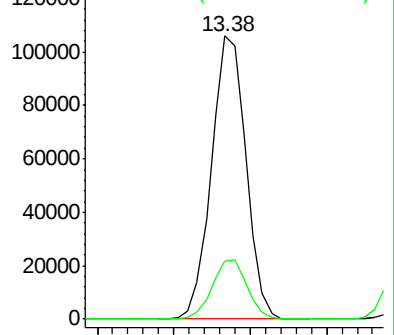
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.711 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010608.D

Acq: 30 May 2019 11:56

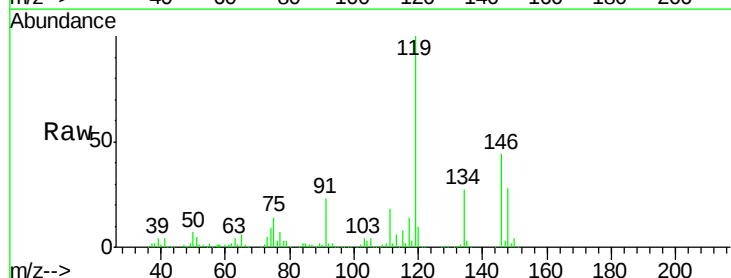
Tgt Ion:119 Resp: 150733

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

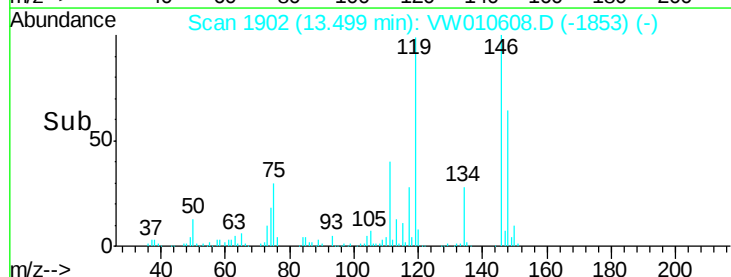
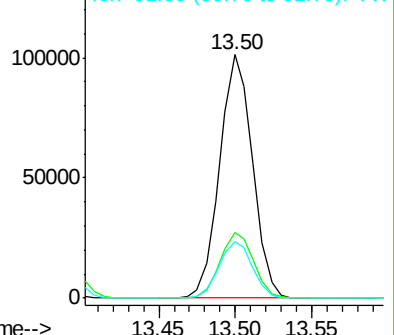
91 23.8 11.9 35.7

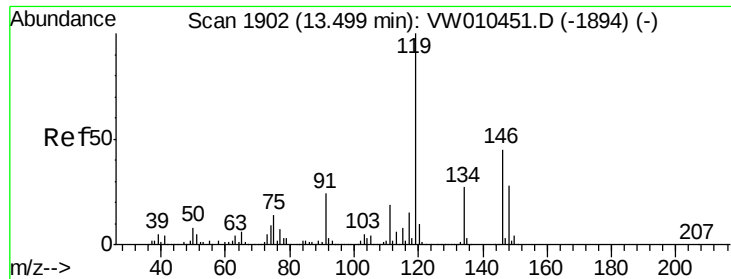


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





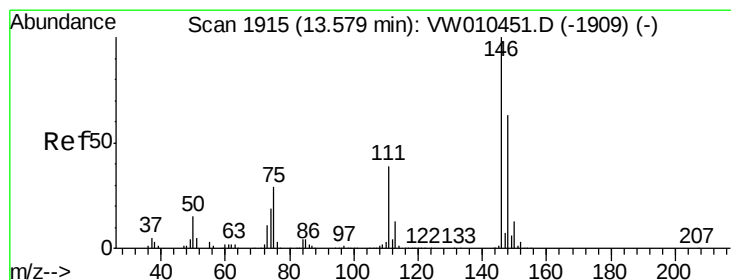
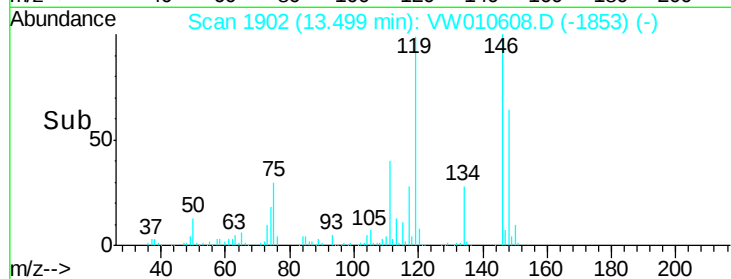
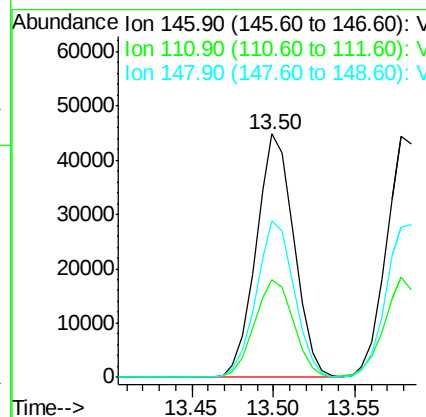
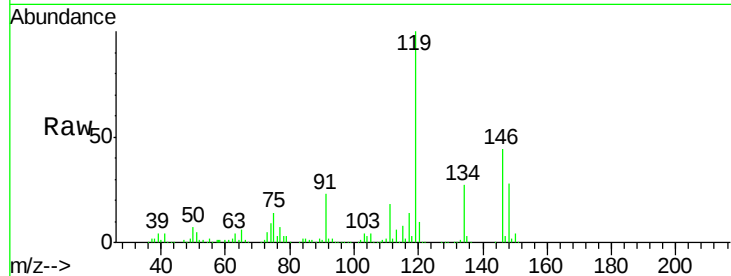
#87
 1,3-Dichlorobenzene
 Concen: 22.187 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	64.6	31.6	94.8

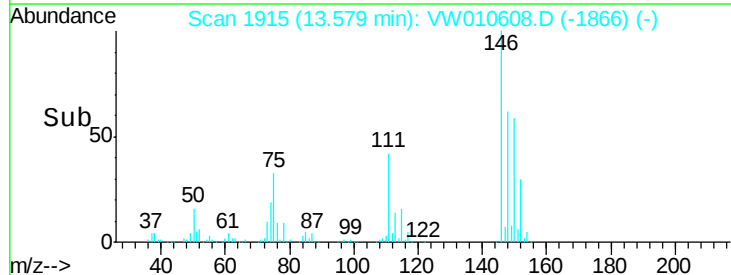
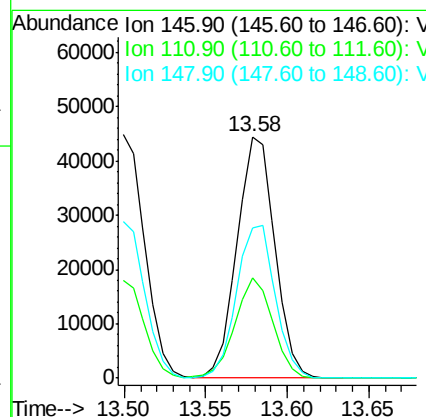
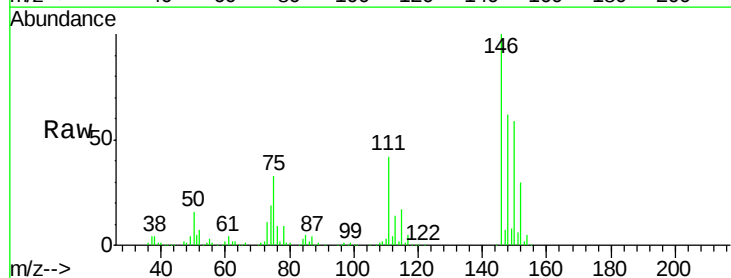
Manual Integrations
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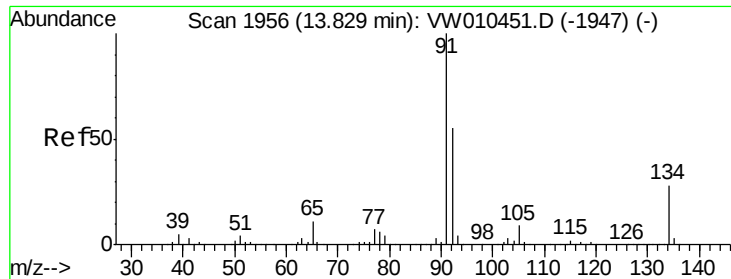
MMDadoda
 6/1/2019 4:27:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.026 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.9	59.6
148	64.7	31.6	94.8





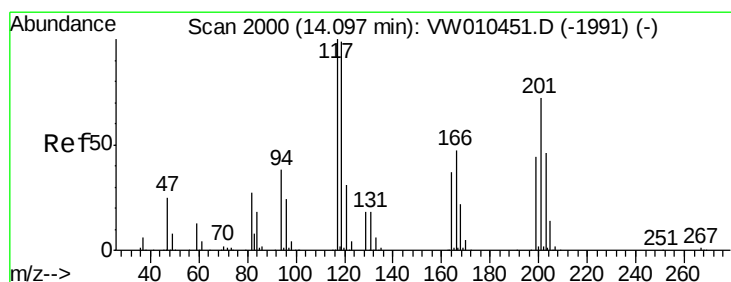
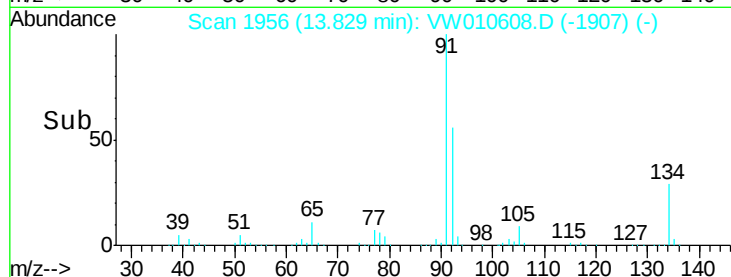
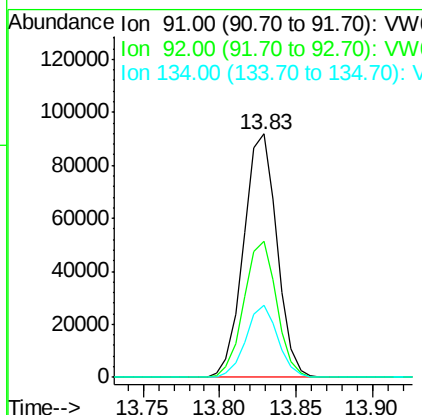
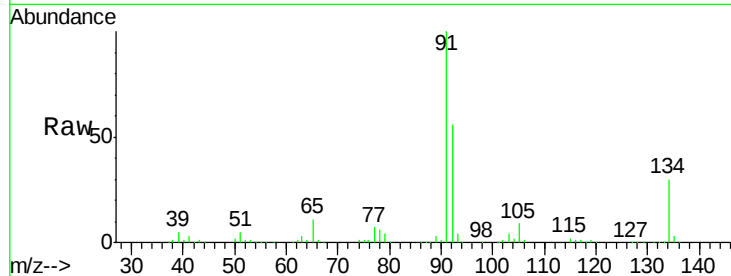
#89
n-Butylbenzene
Concen: 20.997 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	138660		
92	55.0		27.7	83.1
134	28.4		13.9	41.6

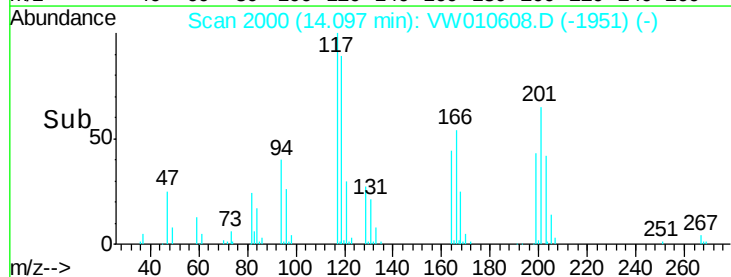
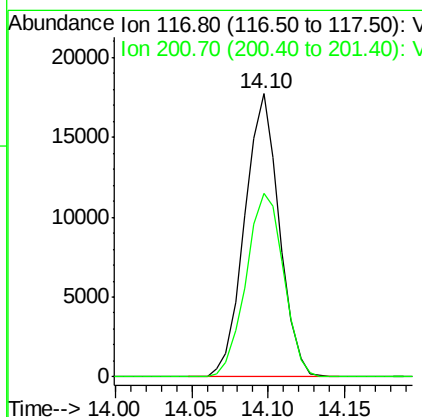
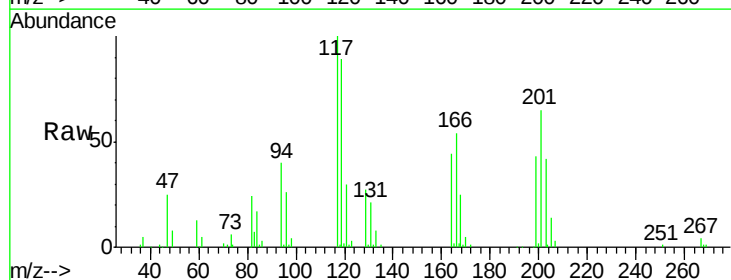
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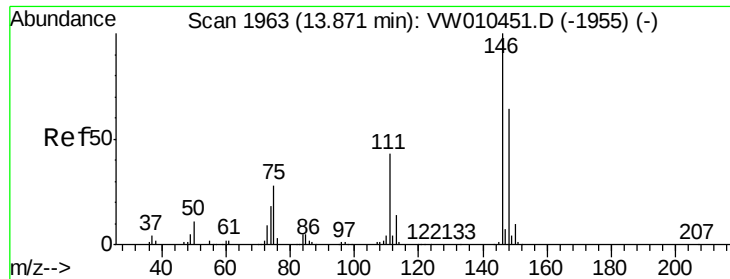
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#90
Hexachloroethane
Concen: 20.700 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27817		
201	70.2		34.6	103.8





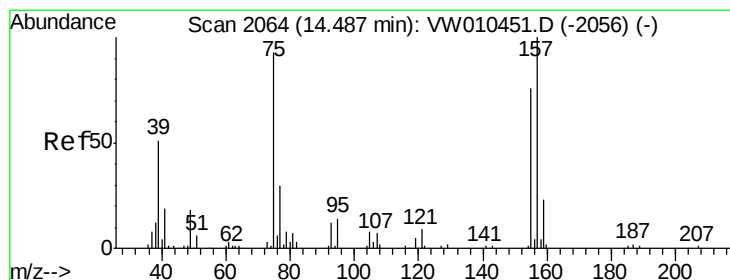
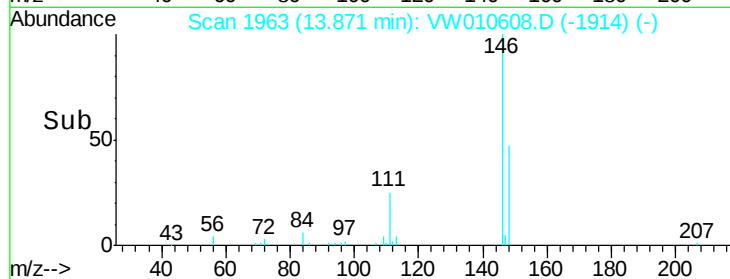
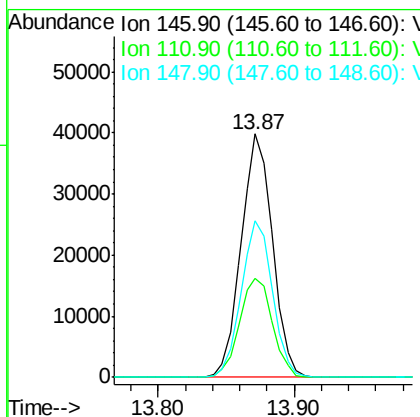
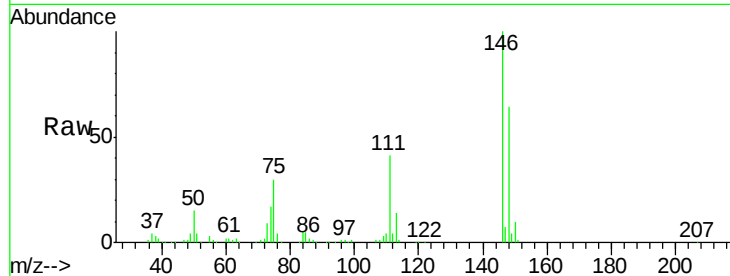
#91
 1,2-Dichlorobenzene
 Concen: 21.620 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	64.1	32.0	96.0

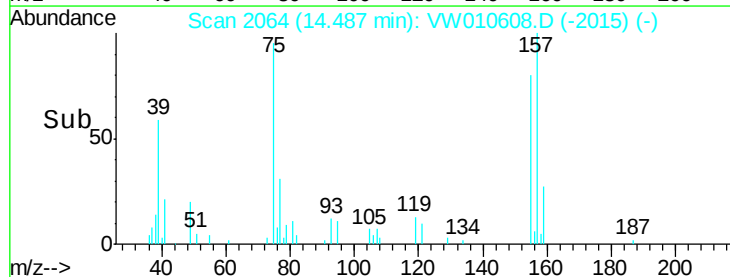
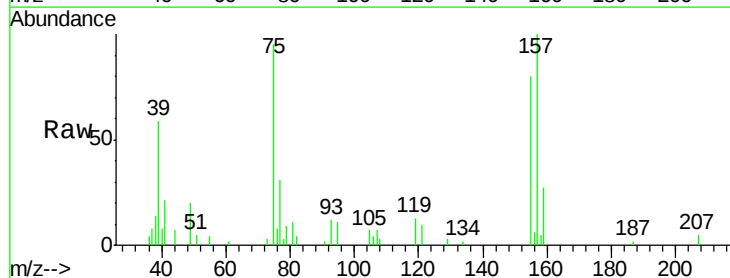
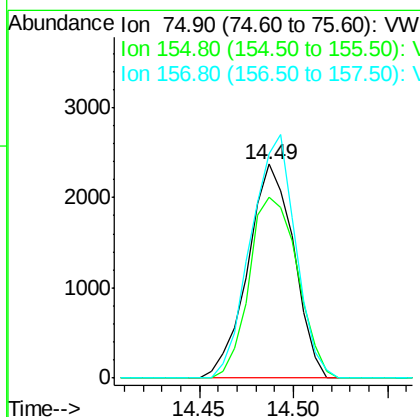
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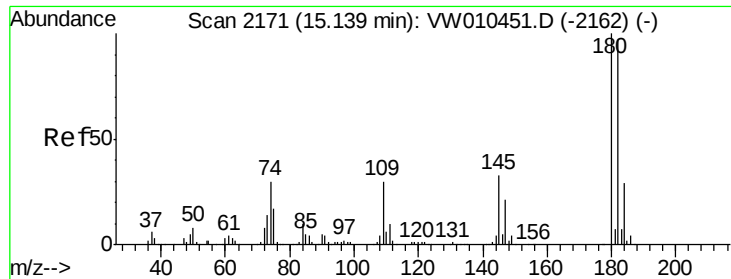
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.948 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	43.0	129.0
157	110.9	55.7	167.1





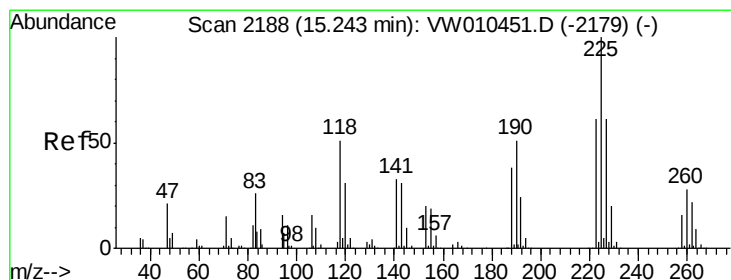
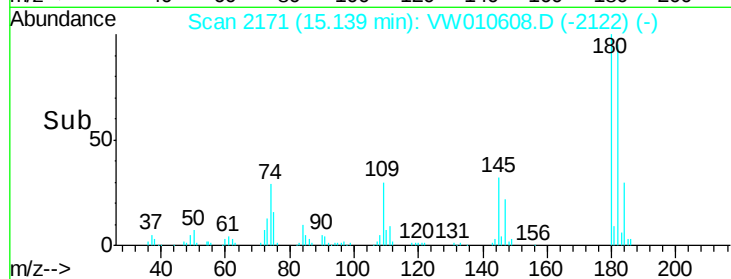
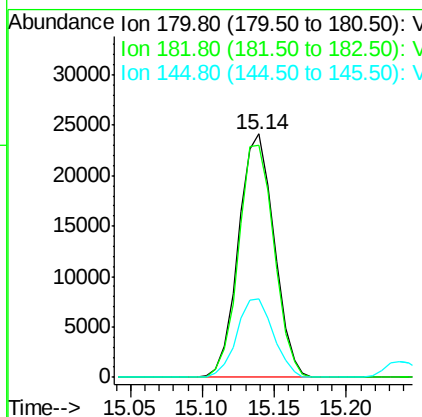
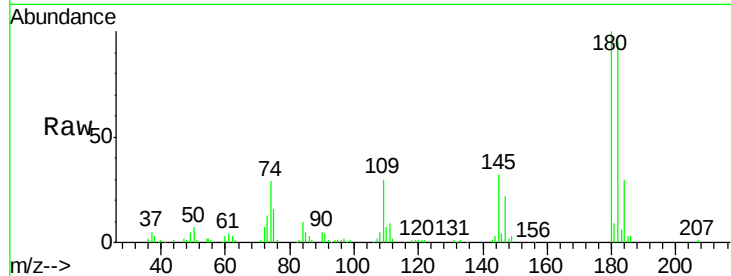
#93
 1,2,4-Trichlorobenzene
 Concen: 20.491 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.2
145	33.3	16.7	50.0

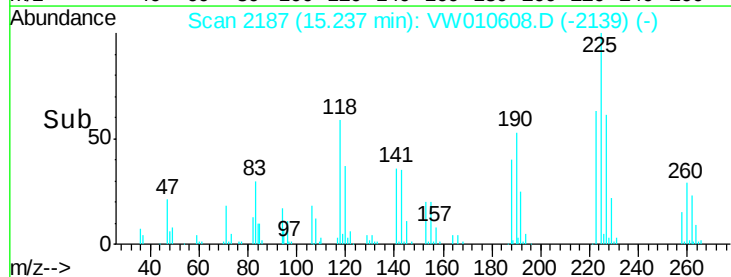
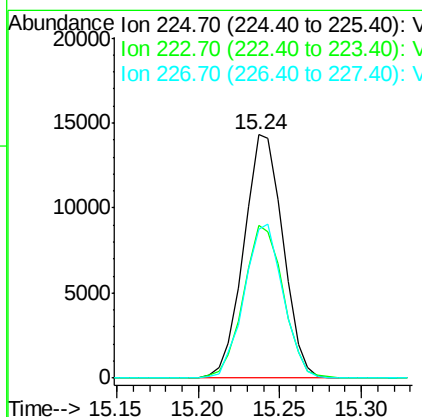
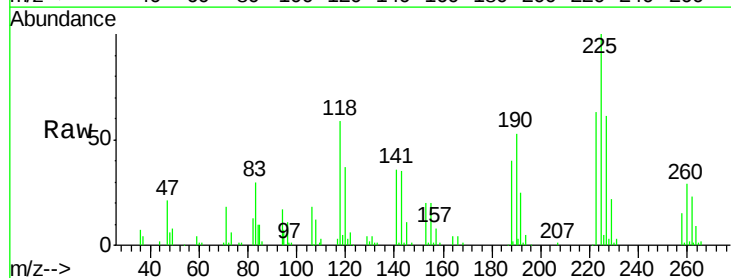
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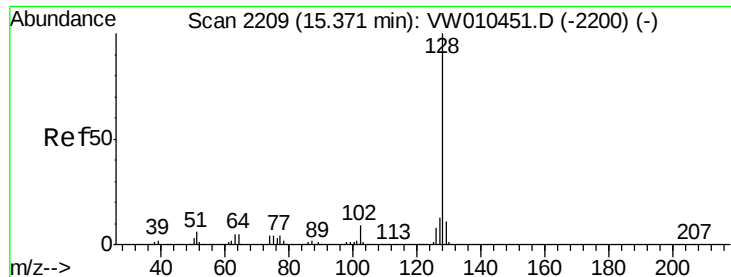
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#94
 Hexachlorobutadiene
 Concen: 22.266 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010608.D
 Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.2
227	62.7	31.1	93.5





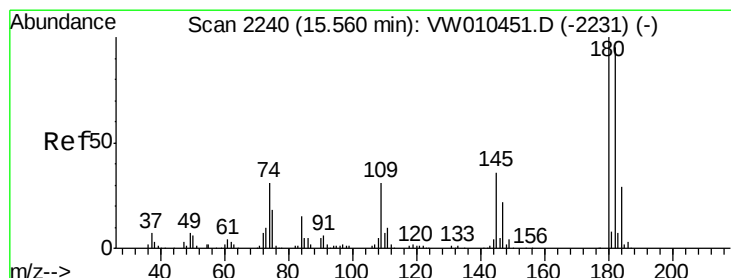
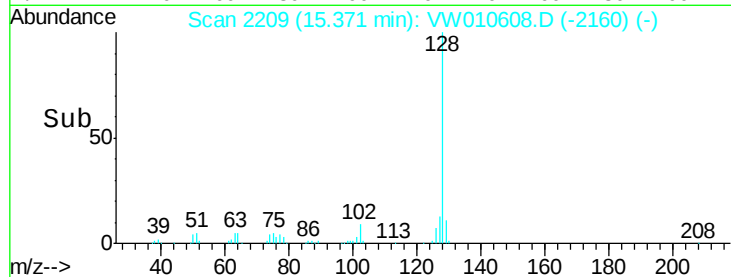
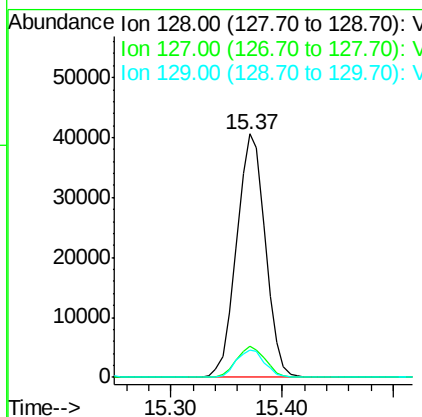
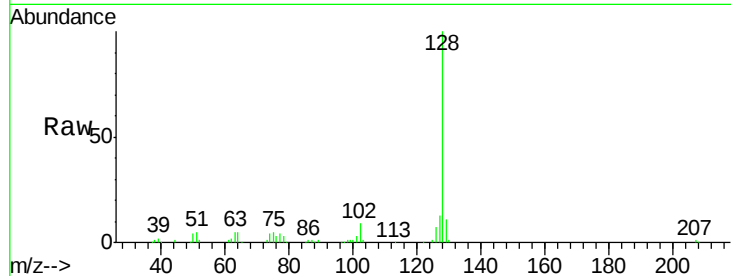
#95
Naphthalene
Concen: 17.077 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.1	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.285 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010608.D
Acq: 30 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.3
145	34.5	17.4	52.3

