

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080819\
 Data File : VW011744.D
 Acq On : 07 Aug 2019 12:13
 Operator : SY/VA
 Sample : VW0808SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 9:30:50 AM

Quant Time: Aug 07 16:42:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	147271	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
35) Dibromofluoromethane	7.88	113	117200	57.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.56%	
50) Toluene-d8	10.32	98	483503	57.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.44%	
62) 4-Bromofluorobenzene	12.61	95	170971	57.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32638	25.284	ug/l	94
3) Chloromethane	2.21	50	47715	21.317	ug/l	95
4) Vinyl Chloride	2.36	62	58820	21.827	ug/l	99
5) Bromomethane	2.77	94	28294	18.969	ug/l	96
6) Chloroethane	2.92	64	31911	20.730	ug/l	99
7) Trichlorofluoromethane	3.25	101	29133	24.190	ug/l	97
8) Diethyl Ether	3.68	74	27363	20.039	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	50231	21.986	ug/l	100
10) Methyl Iodide	4.28	142	66619	20.634	ug/l	99
11) Tert butyl alcohol	5.18	59	19846	89.675	ug/l	97
12) 1,1-Dichloroethene	4.04	96	50435	20.908	ug/l	96
13) Acrolein	3.90	56	14293	74.896	ug/l	93
14) Allyl chloride	4.67	41	107331	20.920	ug/l	99
15) Acrylonitrile	5.37	53	68757	100.868	ug/l	99
16) Acetone	4.13	43	70201	82.977	ug/l	98
17) Carbon Disulfide	4.38	76	157487	20.860	ug/l	98
18) Methyl Acetate	4.67	43	39683	20.879	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	79349	20.729	ug/l	99
20) Methylene Chloride	4.92	84	57826	19.819	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	55160	21.210	ug/l	99
22) Diisopropyl ether	6.31	45	200673	20.746	ug/l	99
23) Vinyl Acetate	6.26	43	617675	101.623	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107329	20.718	ug/l	99
25) 2-Butanone	7.18	43	102969	93.012	ug/l	98
26) 2,2-Dichloropropane	7.16	77	65423	20.535	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	57994	20.262	ug/l	97
28) Bromochloromethane	7.51	49	47999	20.874	ug/l	98
29) Tetrahydrofuran	7.53	42	62936	99.456	ug/l	100
30) Chloroform	7.68	83	99066	20.728	ug/l	98
31) Cyclohexane	7.95	56	105621	21.239	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	79800	21.924	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83719	22.077	ug/l	98
37) Ethyl Acetate	7.26	43	45358	20.790	ug/l	98
38) Carbon Tetrachloride	8.07	117	72714	22.398	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90721	21.726	ug/l	96
40) Benzene	8.32	78	227563	21.423	ug/l	100
41) Methacrylonitrile	7.48	41	25060	19.215	ug/l	94
42) 1,2-Dichloroethane	8.40	62	71772	21.581	ug/l	99
43) Isopropyl Acetate	8.43	43	84162	20.975	ug/l	100
44) Trichloroethene	9.09	130	54653	21.407	ug/l	99
45) 1,2-Dichloropropane	9.37	63	61531	21.649	ug/l	100
46) Dibromomethane	9.46	93	27727	21.374	ug/l	99
47) Bromodichloromethane	9.65	83	71273	20.946	ug/l	99
48) Methyl methacrylate	9.43	41	39102	20.287	ug/l	97
49) 1,4-Dioxane	9.46	88	7707	410.323	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	215887	103.441	ug/l	99
52) Toluene	10.39	92	138295	21.559	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74494	20.957	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	87683	20.747	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	38421	20.875	ug/l	99
56) Ethyl methacrylate	10.65	69	56656	21.036	ug/l	100
57) 1,3-Dichloropropane	10.93	76	73200	21.022	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	132393	108.264	ug/l	100
59) 2-Hexanone	10.97	43	150524	102.147	ug/l	100
60) Dibromochloromethane	11.13	129	43232	21.161	ug/l	98
61) 1,2-Dibromoethane	11.24	107	36661	21.048	ug/l	100
64) Tetrachloroethene	10.86	164	45604	21.818	ug/l	99
65) Chlorobenzene	11.66	112	137206	21.259	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47427	21.097	ug/l	98
67) Ethyl Benzene	11.73	91	263598	21.445	ug/l	100
68) m/p-Xylenes	11.84	106	191365	42.810	ug/l	100
69) o-Xylene	12.17	106	88510	21.308	ug/l	99
70) Styrene	12.18	104	153980	21.439	ug/l	100
71) Bromoform	12.35	173	24307	21.207	ug/l	98
73) Isopropylbenzene	12.46	105	249179	21.047	ug/l	99
74) N-amyl acetate	12.27	43	75700	20.423	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46367	20.821	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	33454m	19.922	ug/l	
77) Bromobenzene	12.75	156	55307	21.135	ug/l	98
78) n-propylbenzene	12.80	91	308695	21.425	ug/l	99
79) 2-Chlorotoluene	12.89	91	175996	21.202	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211012	21.262	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15029	20.627	ug/l	100
82) 4-Chlorotoluene	12.99	91	184169	21.147	ug/l	100
83) tert-Butylbenzene	13.21	119	177901	21.436	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	210941	21.100	ug/l	100
85) sec-Butylbenzene	13.38	105	258355	21.817	ug/l	100
86) p-Isopropyltoluene	13.50	119	230336	21.438	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107309	20.914	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106185	20.804	ug/l	98
89) n-Butylbenzene	13.82	91	228825	21.341	ug/l	99
90) Hexachloroethane	14.09	117	39712	20.902	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	95269	20.993	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7899	20.800	ug/l	97

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MSVOA_W
ClientSampleId :
VW0808SBSD01

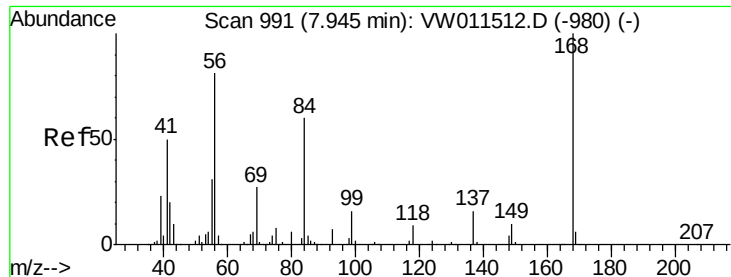
Manual Integrations
APPROVED

MMDadoda
8/8/2019 9:30:50 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66844	20.899	ug/l	99
94) Hexachlorobutadiene	15.24	225	44244	22.182	ug/l	99
95) Naphthalene	15.37	128	115714	19.772	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	58279	20.788	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. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBSD01

Tot Ion: 168 Resp: 231620

Ion Ratio Lower Upper

168 100

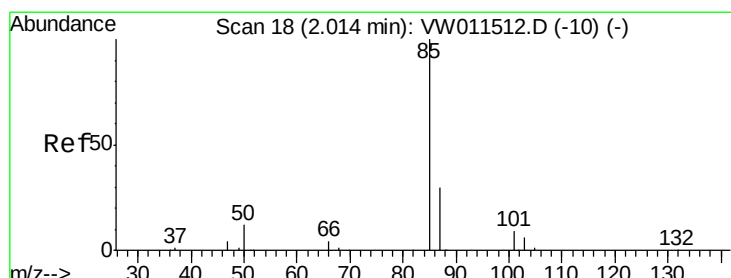
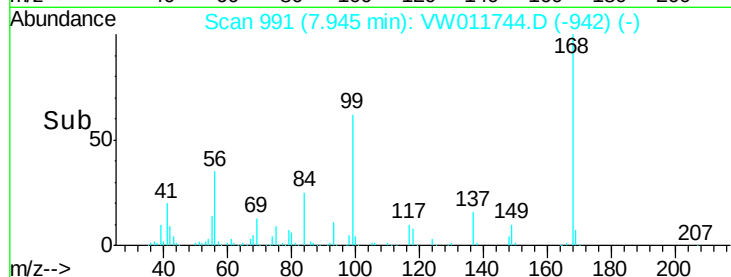
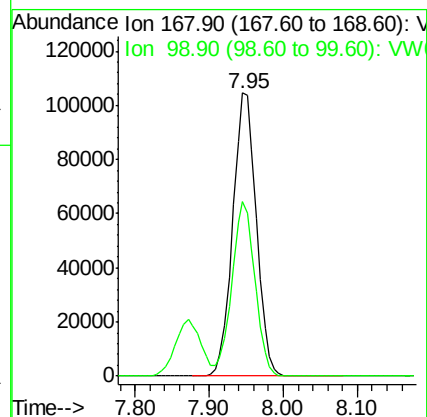
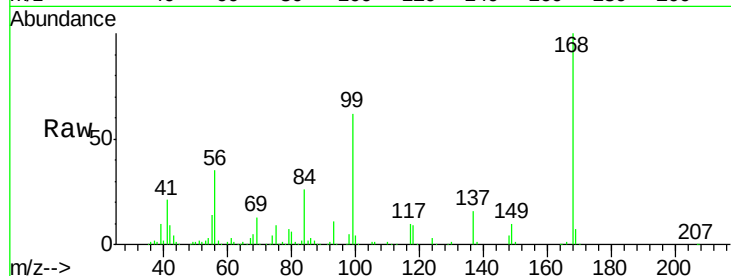
99 61.6 48.2 72.4

Manual Integrations

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8/8/2019 9:30:50 AM



#2

Dichlorodifluoromethane

Concen: 25.284 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011744.D

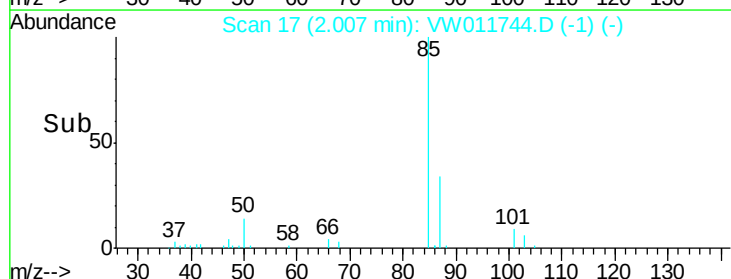
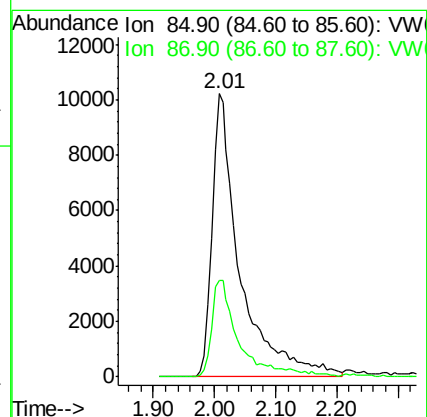
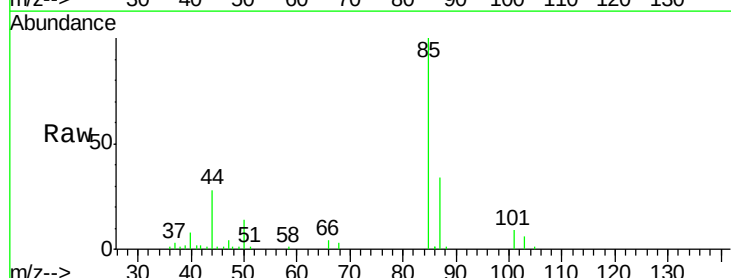
Acq: 07 Aug 2019 12:13

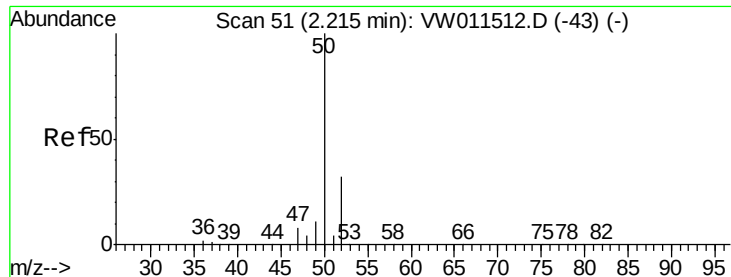
Tgt Ion: 85 Resp: 32638

Ion Ratio Lower Upper

85 100

87 33.9 15.2 45.6





#3

Chloromethane

Concen: 21.317 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 50 Resp: 47715

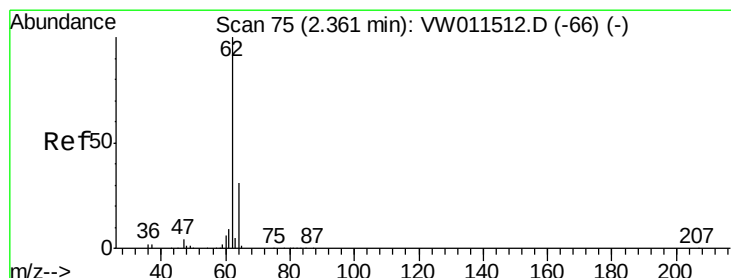
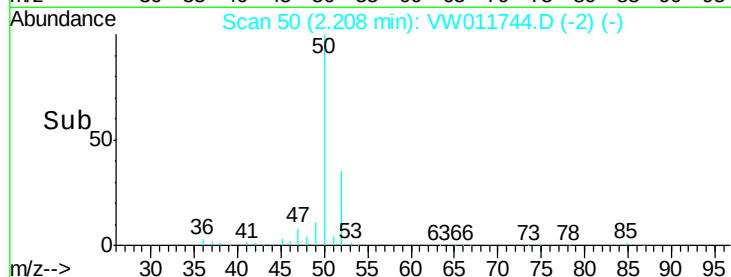
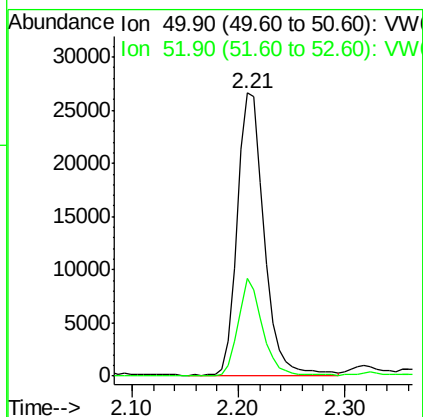
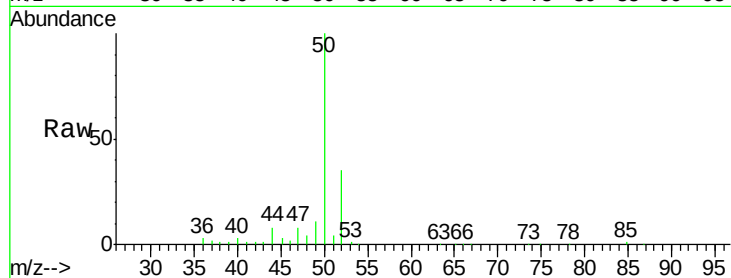
Ion Ratio Lower Upper

50 100

52 34.6 25.4 38.2

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 21.827 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011744.D

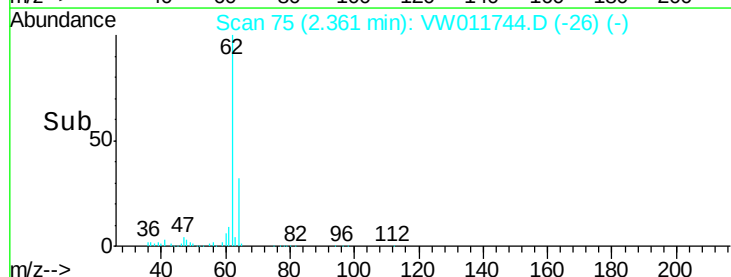
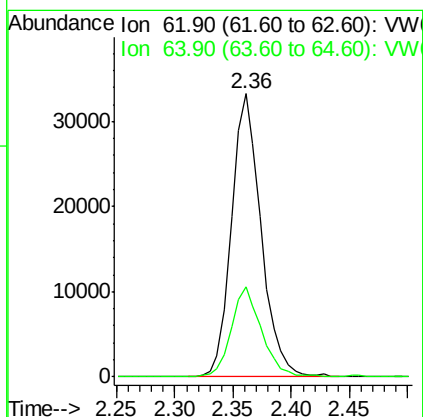
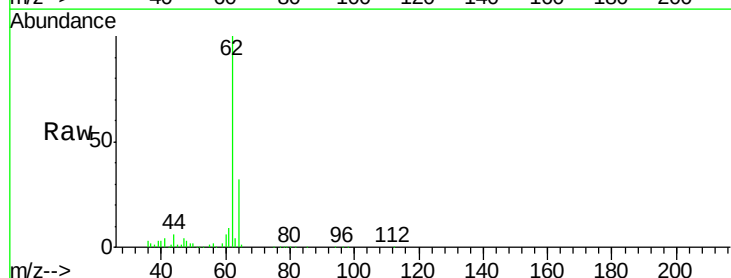
Acq: 07 Aug 2019 12:13

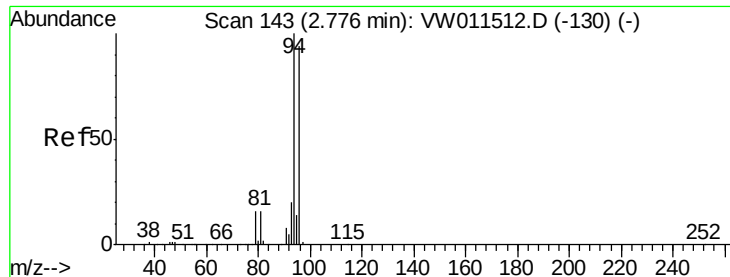
Tgt Ion: 62 Resp: 58820

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4





#5

Bromomethane

Concen: 18.969 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 94 Resp: 28294

Ion Ratio Lower Upper

94 100

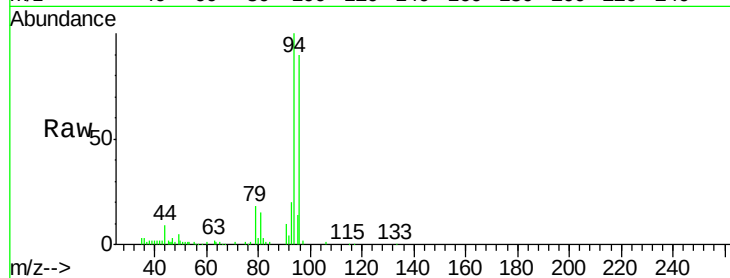
96 89.8 75.0 112.6

Manual Integrations

APPROVED

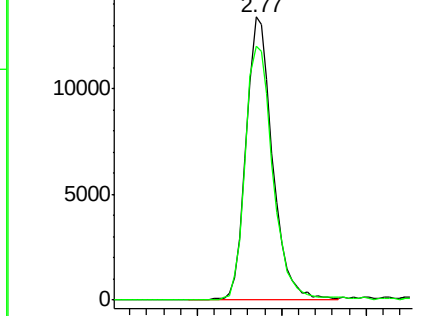
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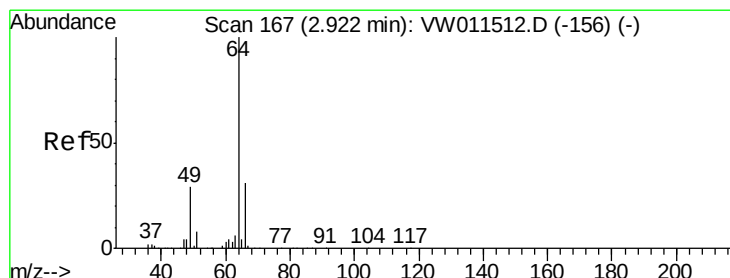
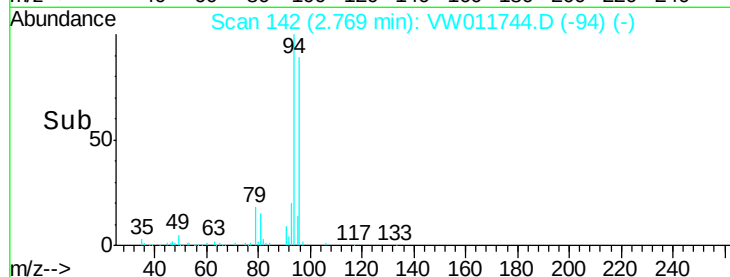


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



Time-->



#6

Chloroethane

Concen: 20.730 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011744.D

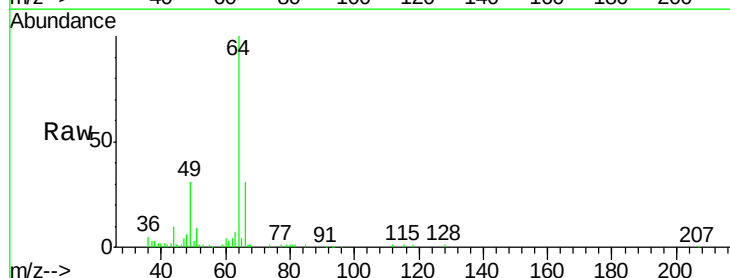
Acq: 07 Aug 2019 12:13

Tgt Ion: 64 Resp: 31911

Ion Ratio Lower Upper

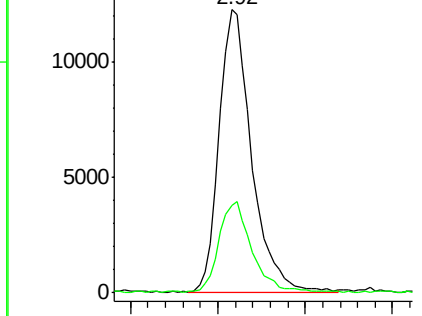
64 100

66 30.4 24.6 36.8

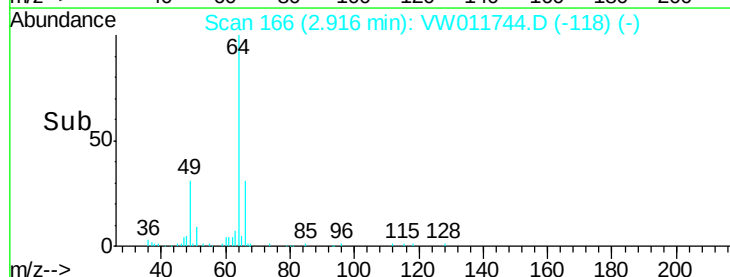


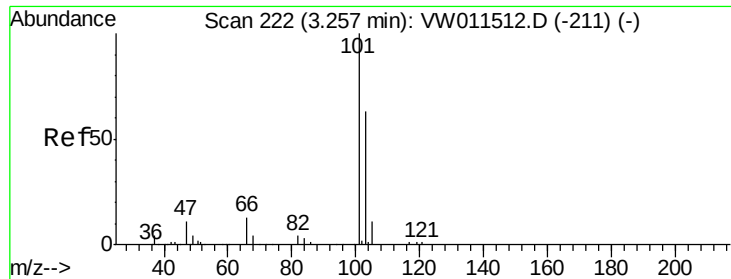
Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



Time-->





#7

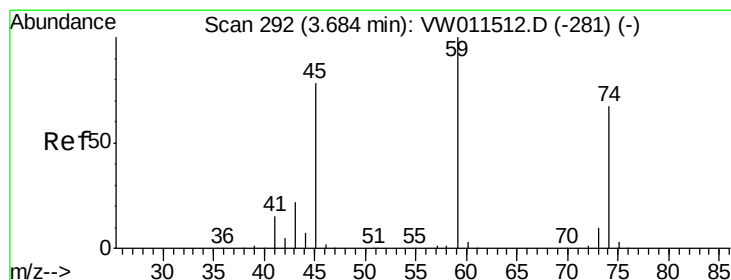
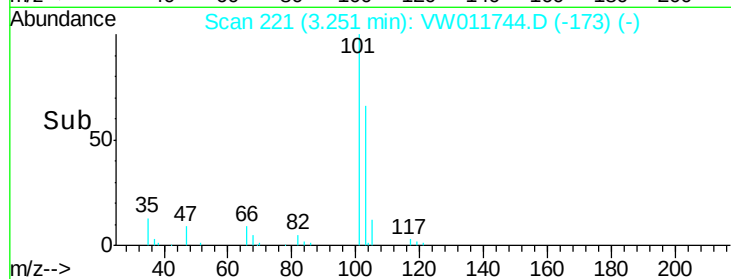
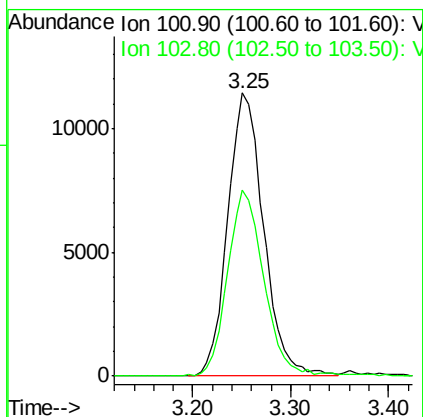
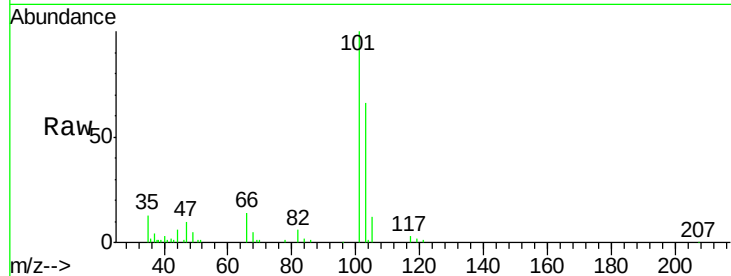
Trichlorofluoromethane
 Concen: 24.190 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

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 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.2	75.4

Manual Integrations
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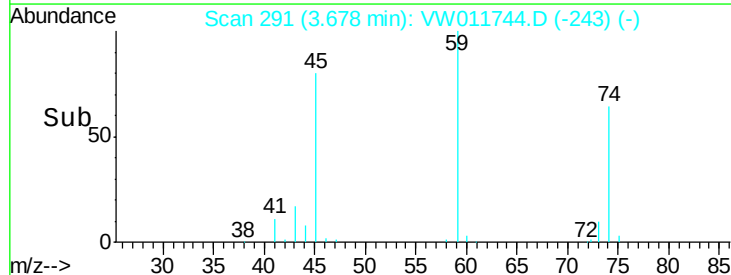
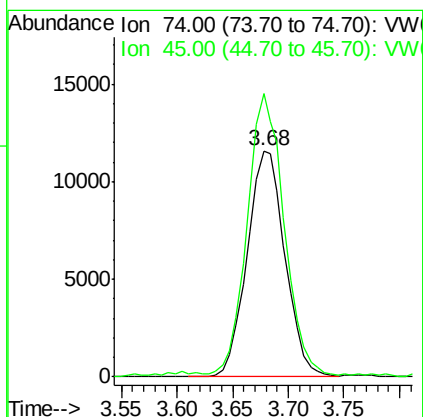
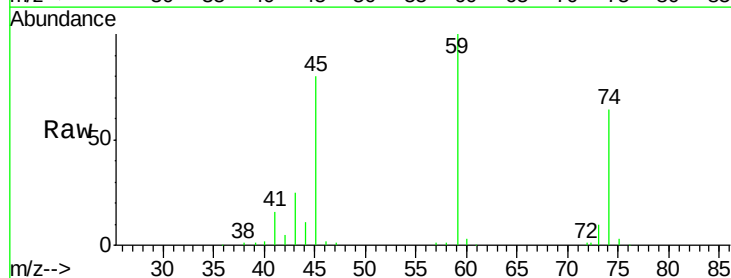
MMDadoda
 8/8/2019 9:30:50 AM

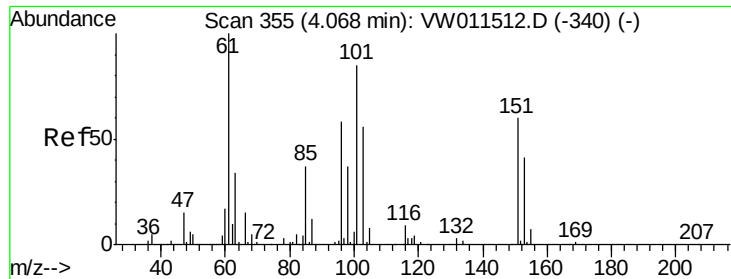


#8

Diethyl Ether
 Concen: 20.039 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.6	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.986 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

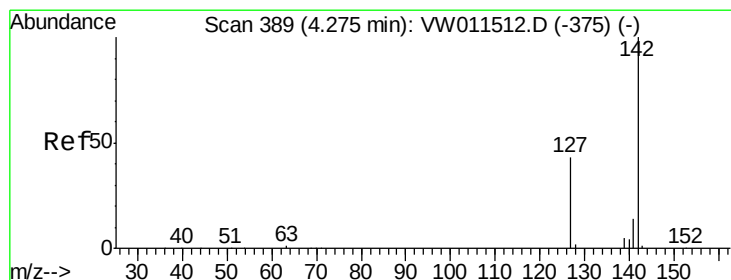
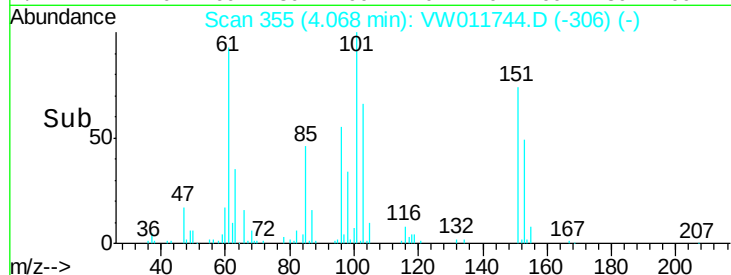
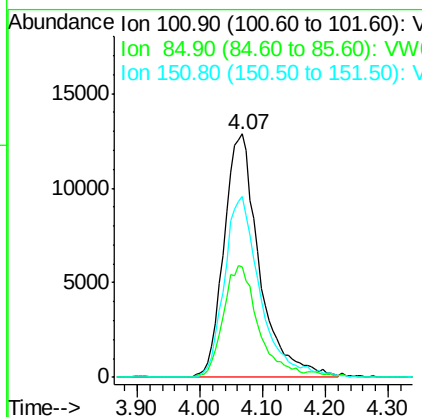
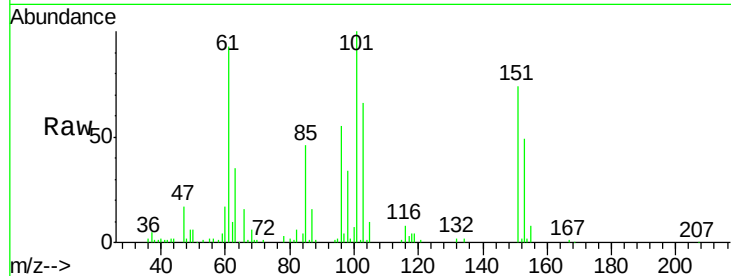
ClientSampleId :

VW0808SBS01

Tot Ion:	101	Resp:	50231
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	54.8
151	75.4	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.634 ug/l

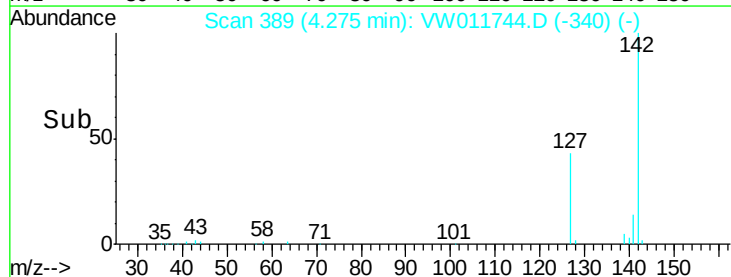
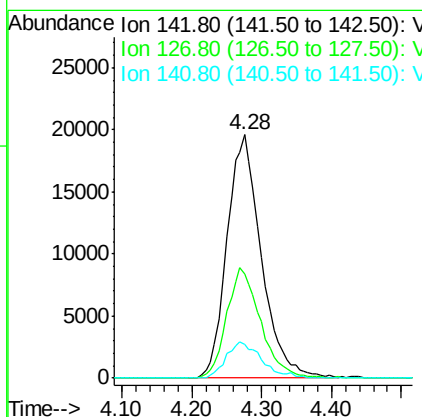
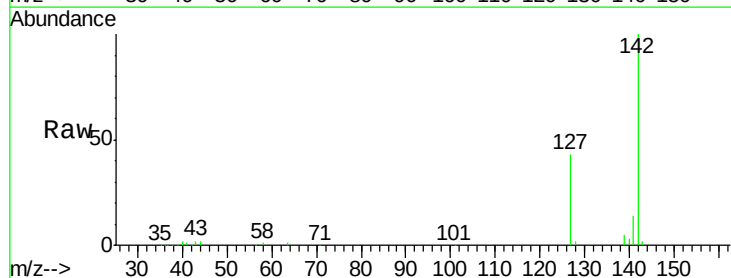
RT: 4.28 min Scan# 389

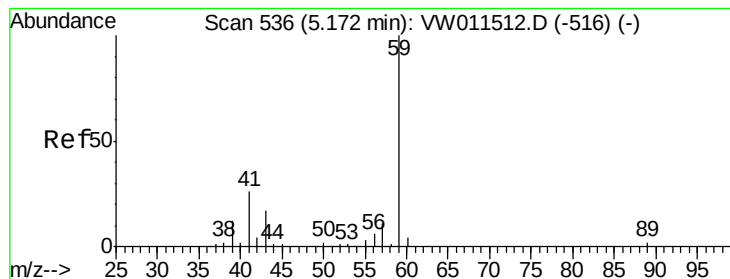
Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	142	Resp:	66619
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.0	52.6
141	15.2	11.9	17.9





#11

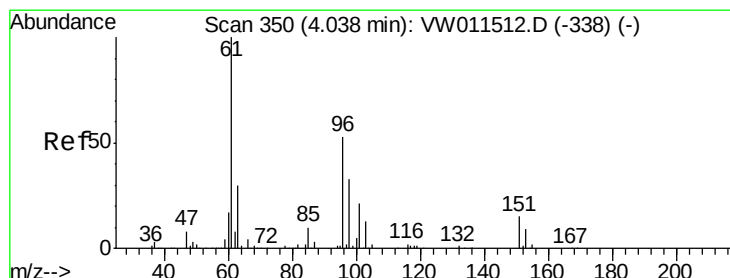
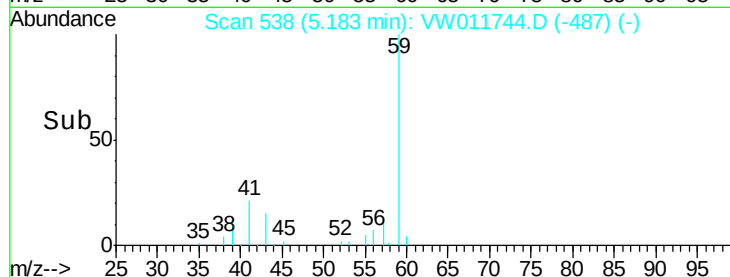
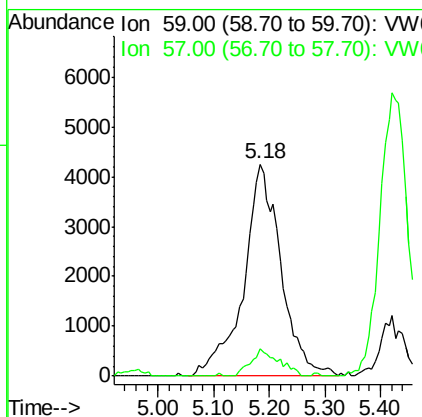
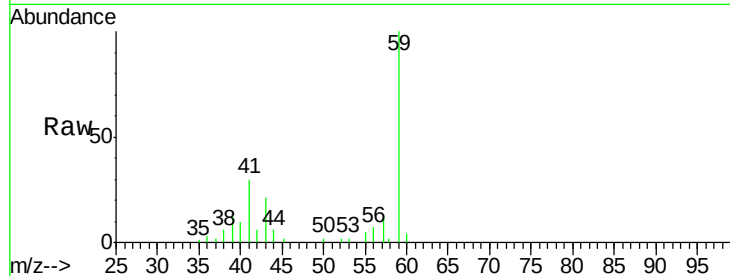
Tert butyl alcohol
 Concen: 89.675 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	19846		
57	57	9.5		8.5	12.7

Manual Integrations
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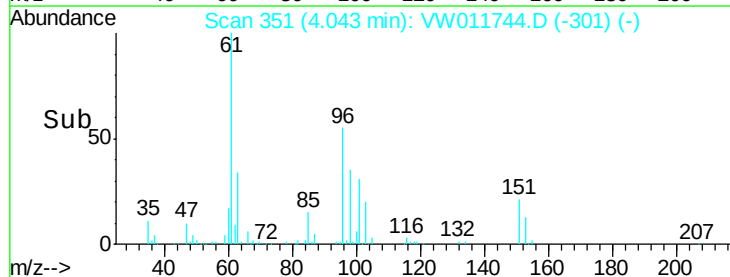
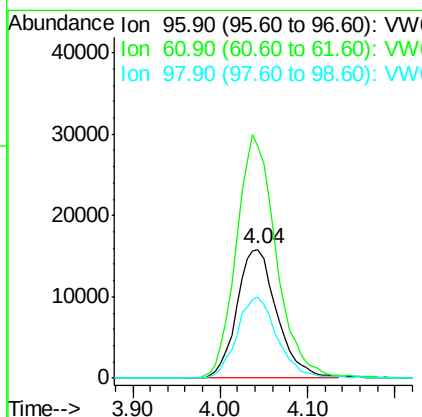
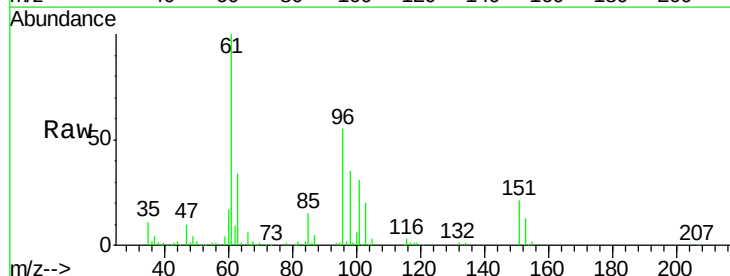
MMDadoda
 8/8/2019 9:30:50 AM

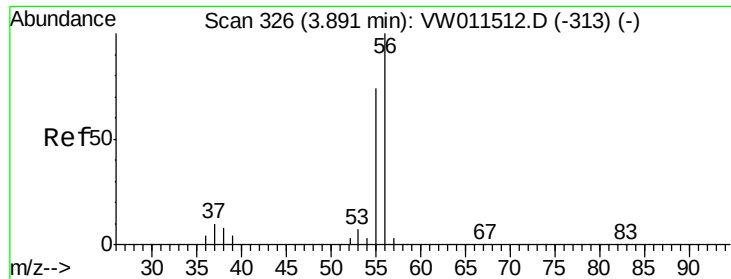


#12

1,1-Dichloroethene
 Concen: 20.908 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	50435		
61	61	180.8		149.9	224.9
98	98	63.0		49.1	73.7





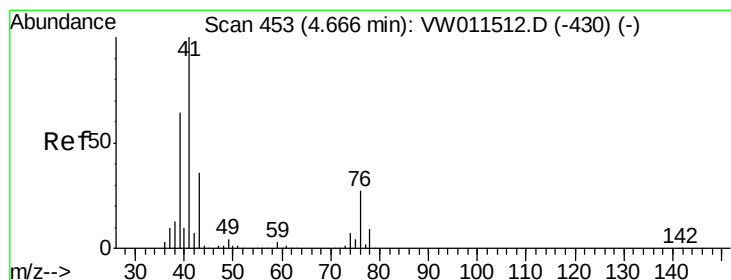
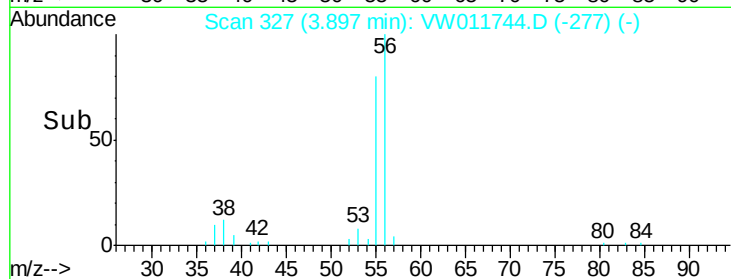
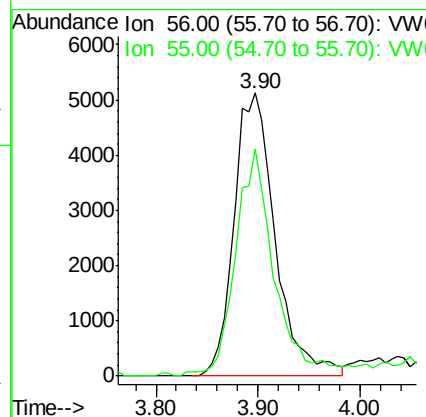
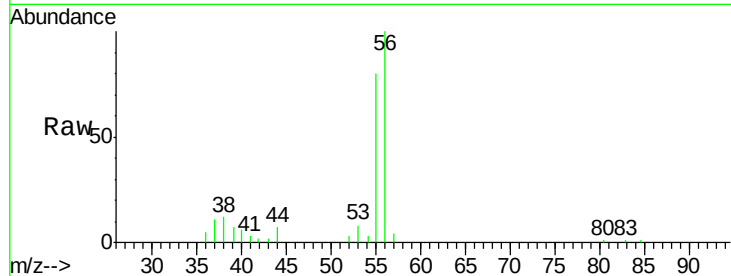
#13
Acrolein
Concen: 74.896 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion: 56 Resp: 14293
Ion Ratio Lower Upper
56 100
55 75.4 56.0 84.0

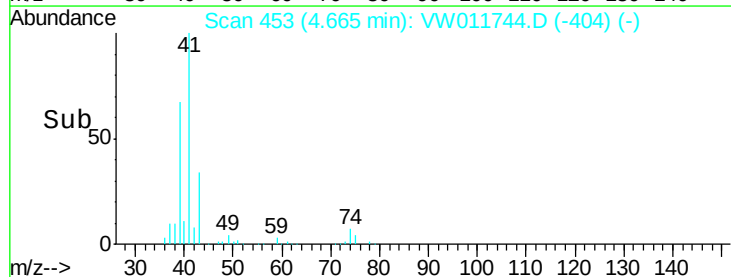
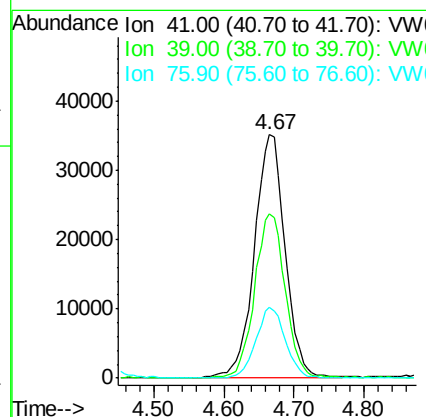
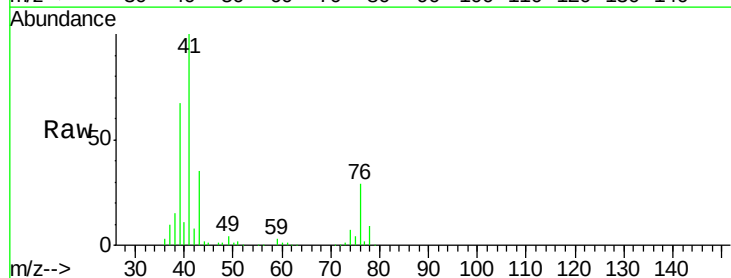
Manual Integrations
APPROVED

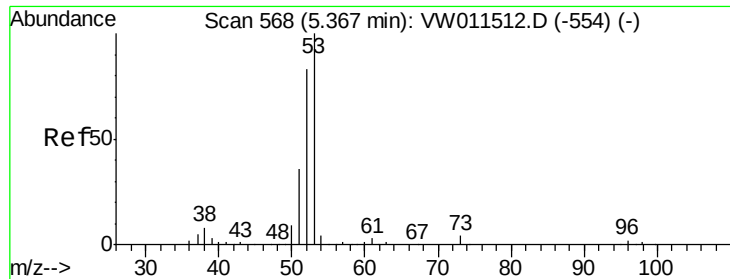
MMDadoda
8/8/2019 9:30:50 AM



#14
Allyl chloride
Concen: 20.920 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion: 41 Resp: 107331
Ion Ratio Lower Upper
41 100
39 66.4 52.6 78.8
76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 100.868 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

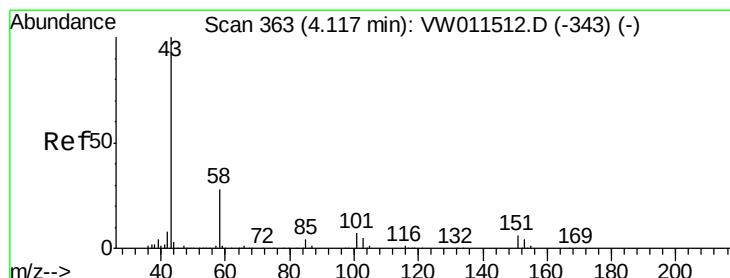
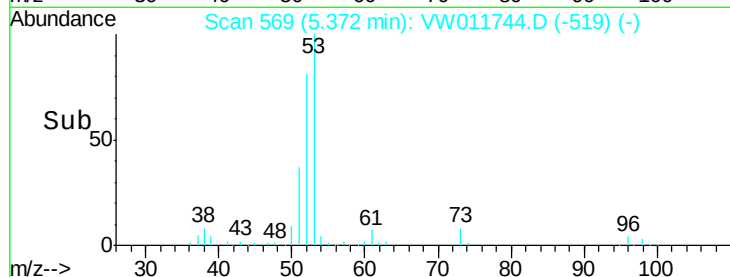
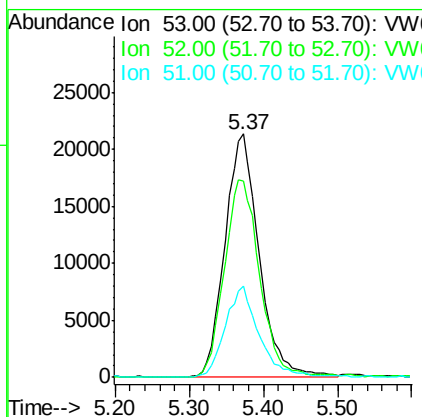
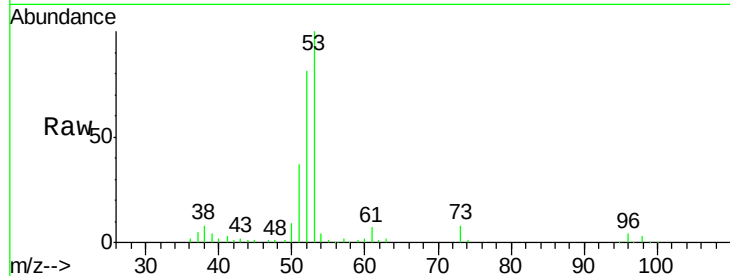
ClientSampleId :

VW0808SBS01

Tot Ion:	53	Resp:	68757
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	36.8	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 82.977 ug/l

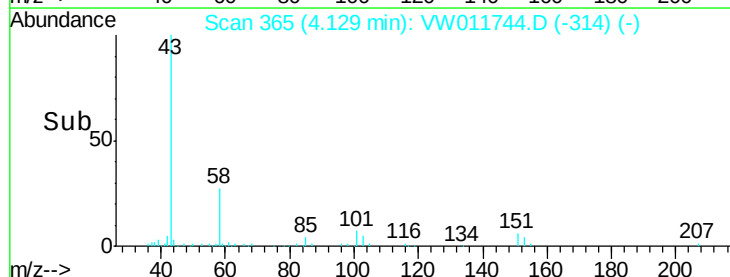
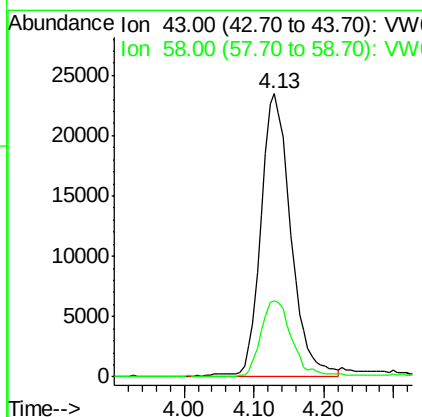
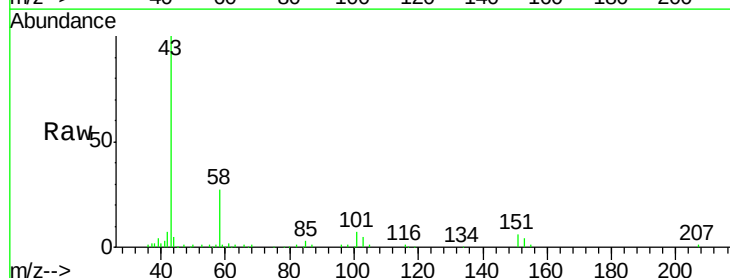
RT: 4.13 min Scan# 365

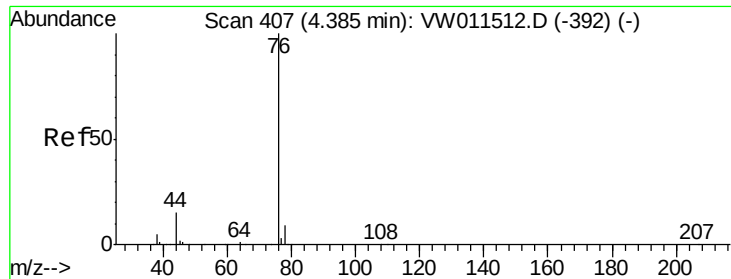
Delta R.T. 0.01 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	43	Resp:	70201
Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.3	33.5





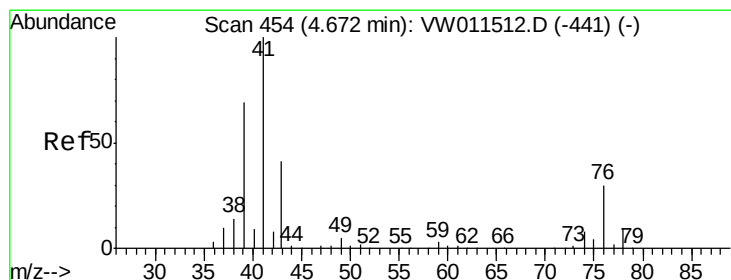
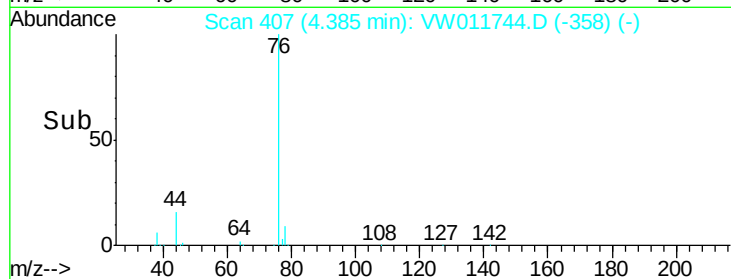
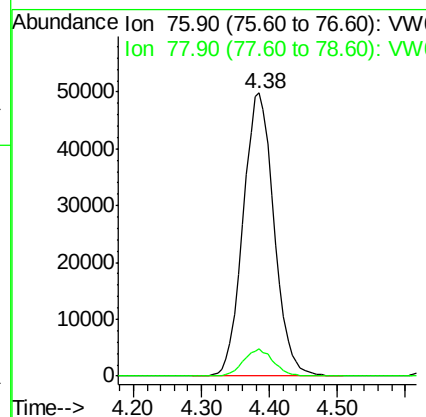
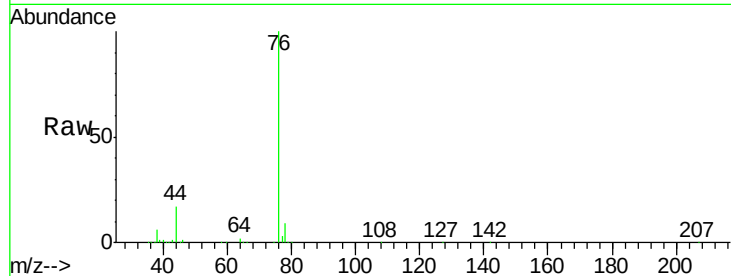
#17
Carbon Disulfide
Concen: 20.860 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

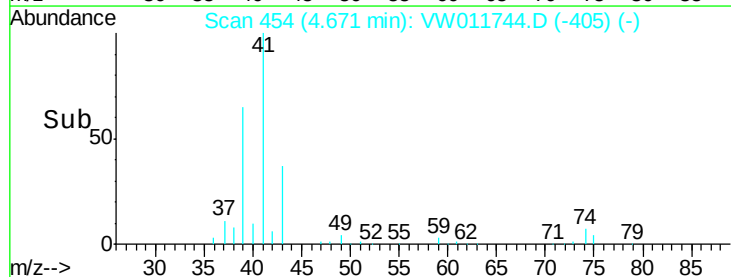
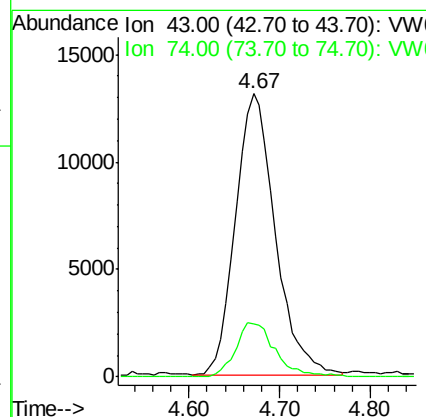
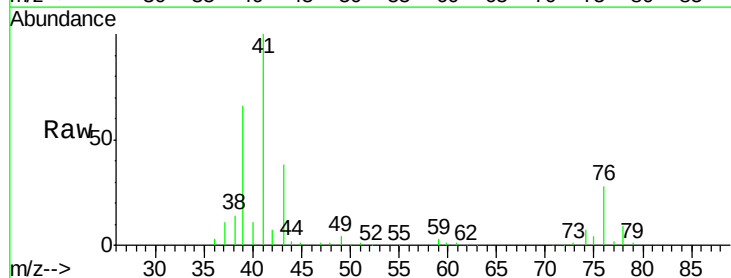
Manual Integrations
APPROVED

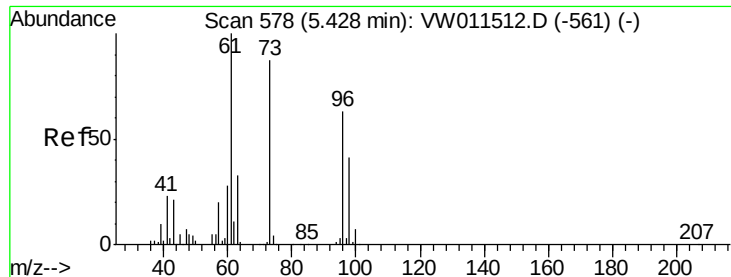
MMDadoda
8/8/2019 9:30:50 AM



#18
Methyl Acetate
Concen: 20.879 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	15.9	23.9





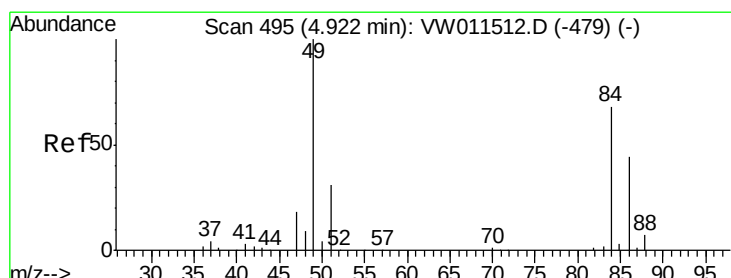
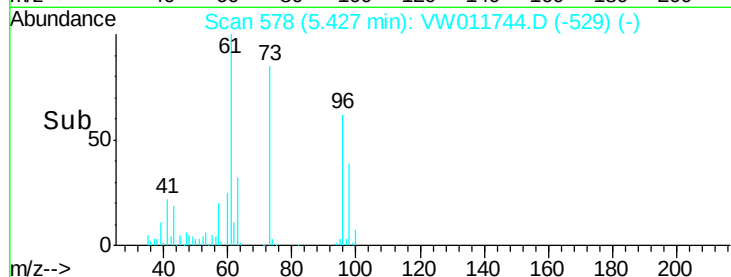
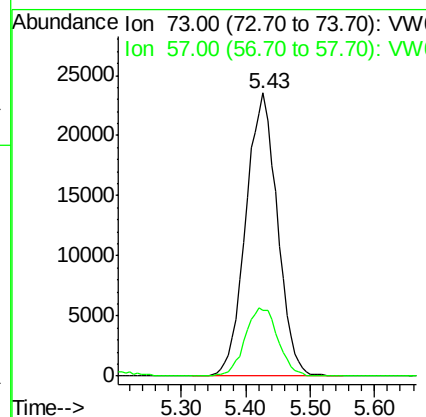
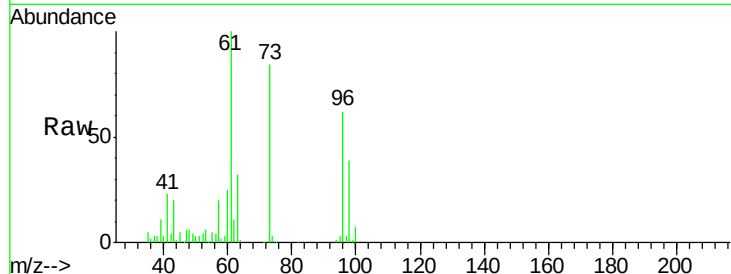
#19
Methyl tert-butyl Ether
Concen: 20.729 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion: 73 Resp: 79349
Ion Ratio Lower Upper
73 100
57 23.4 18.4 27.6

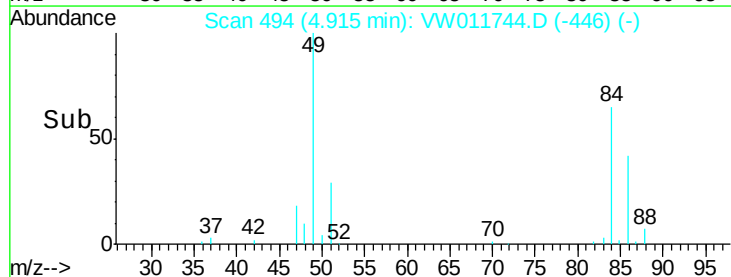
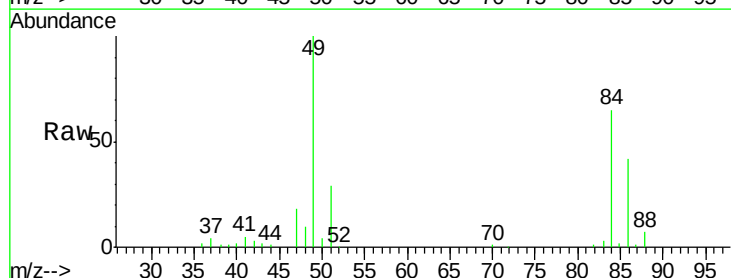
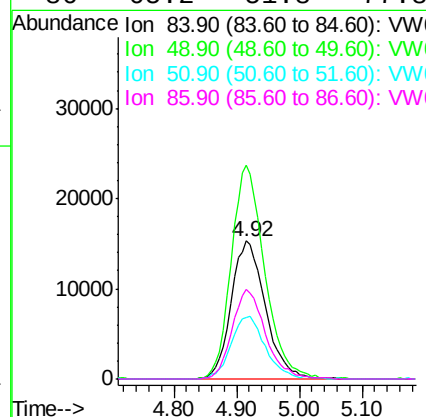
Manual Integrations
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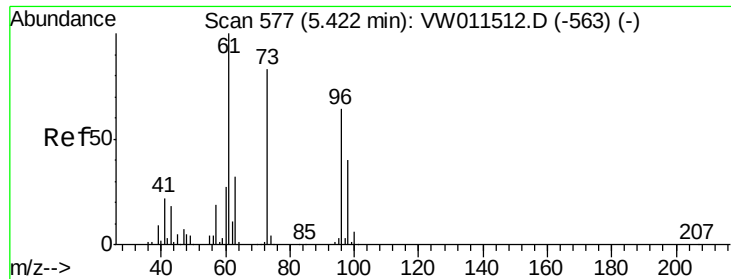
MMDadoda
8/8/2019 9:30:50 AM



#20
Methylene Chloride
Concen: 19.819 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion: 84 Resp: 57826
Ion Ratio Lower Upper
84 100
49 154.9 117.8 176.6
51 44.7 37.0 55.4
86 65.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.210 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

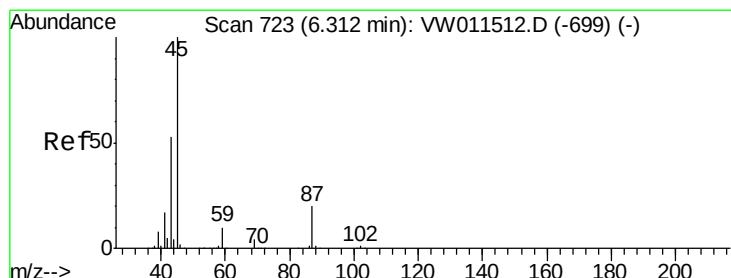
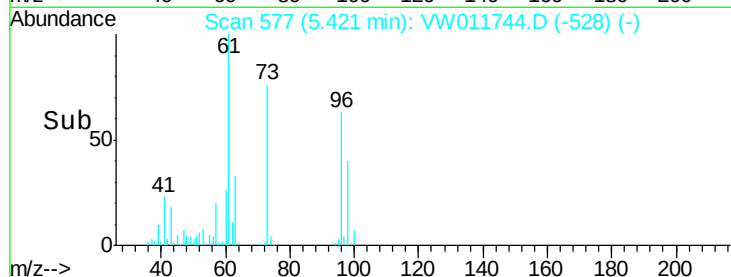
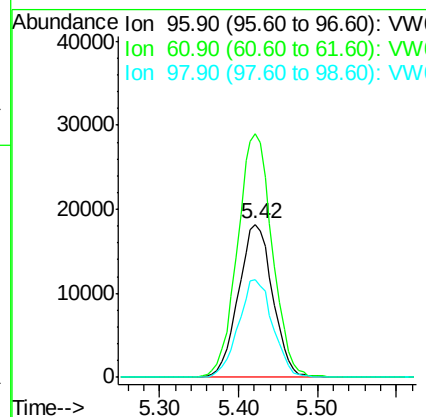
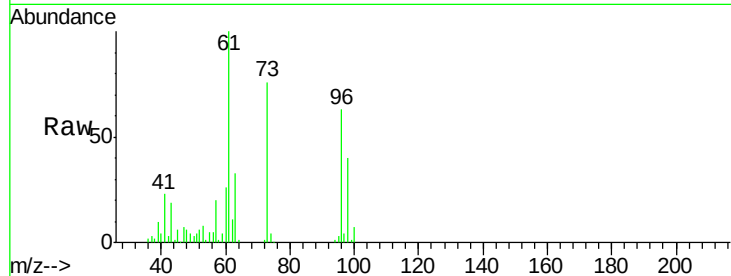
ClientSampleId :

VW0808SBS01

Tot Ion:	96	Resp:	55160
Ion	Ratio	Lower	Upper
96	100		
61	159.2	125.7	188.5
98	63.7	50.3	75.5

Manual Integrations
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8/8/2019 9:30:50 AM



#22

Diisopropyl ether

Concen: 20.746 ug/l

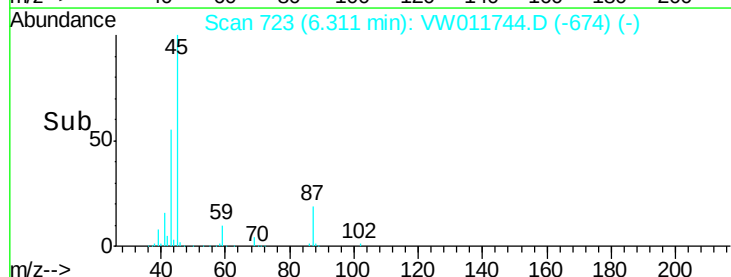
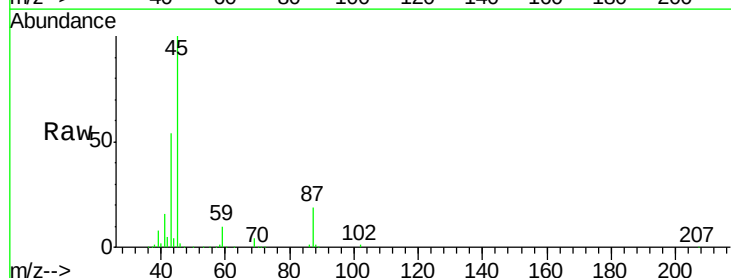
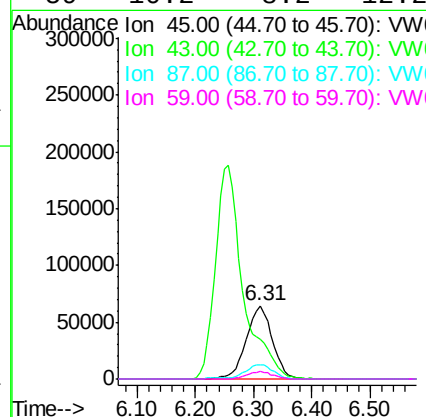
RT: 6.31 min Scan# 723

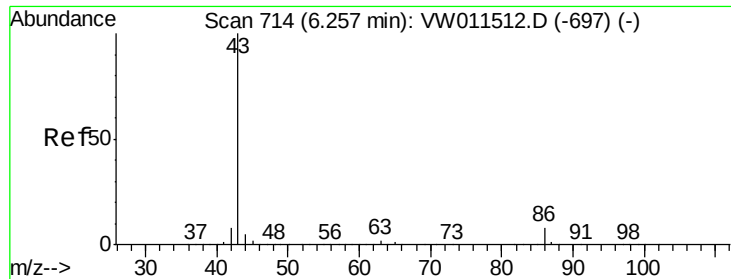
Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	45	Resp:	200673
Ion	Ratio	Lower	Upper
45	100		
43	53.7	42.6	63.8
87	18.9	16.4	24.6
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 101.623 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 43 Resp: 617675

Ion Ratio Lower Upper

43 100

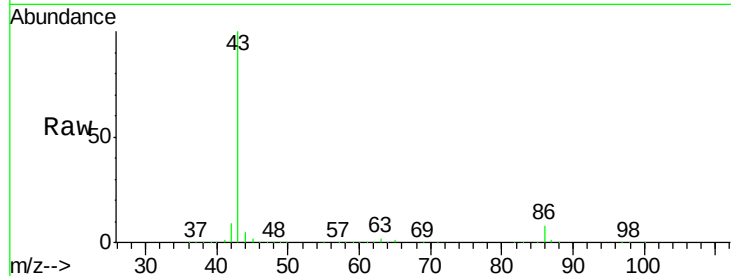
86 7.9 6.5 9.7

Manual Integrations

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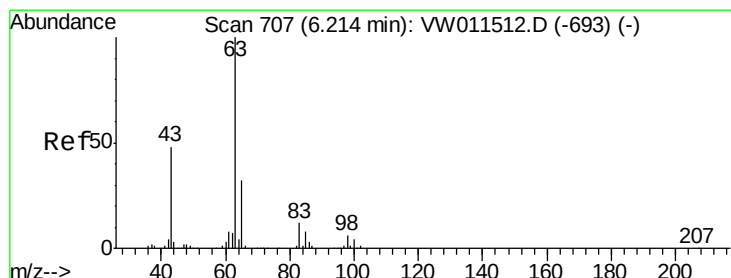
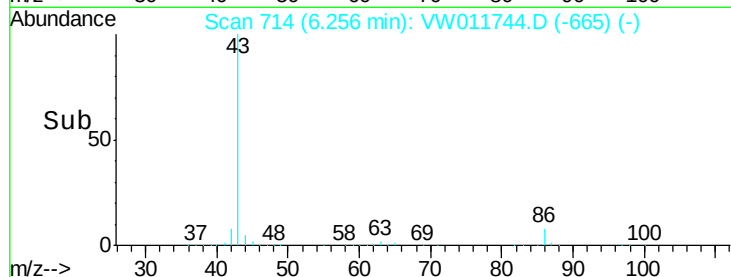
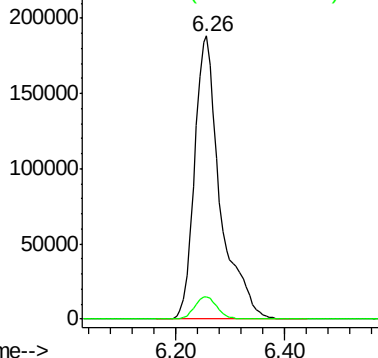
MMDadoda

8/8/2019 9:30:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.718 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

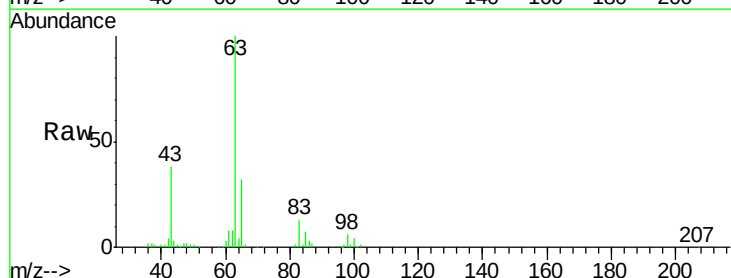
Tgt Ion: 63 Resp: 107329

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

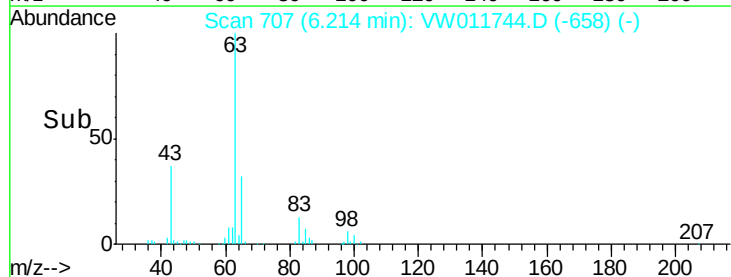
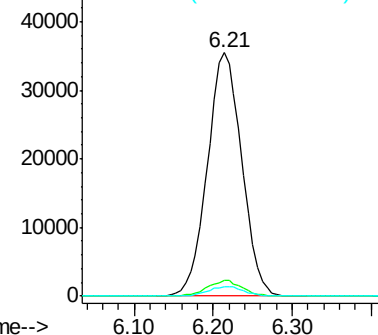
100 3.9 2.1 6.3

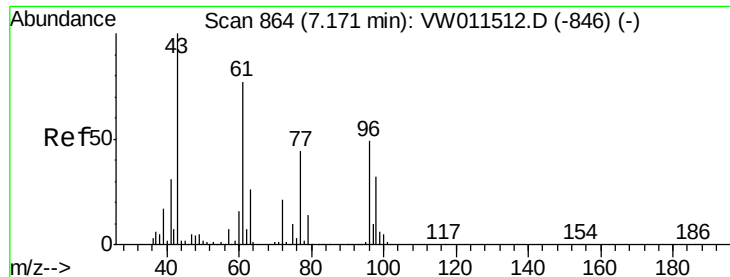


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 93.012 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampled :

VW0808SBS01

Tot Ion: 43 Resp: 102969

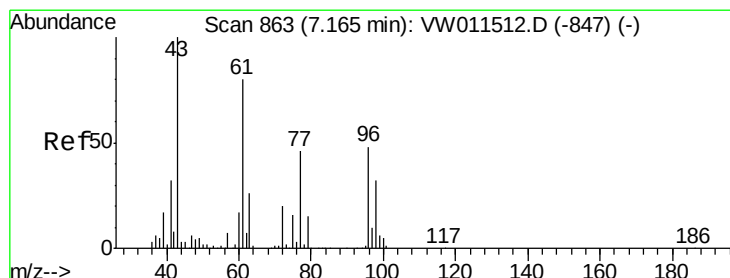
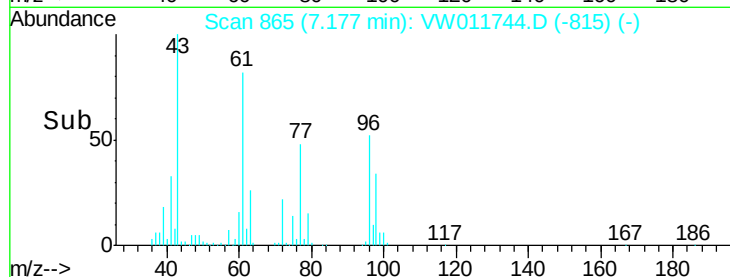
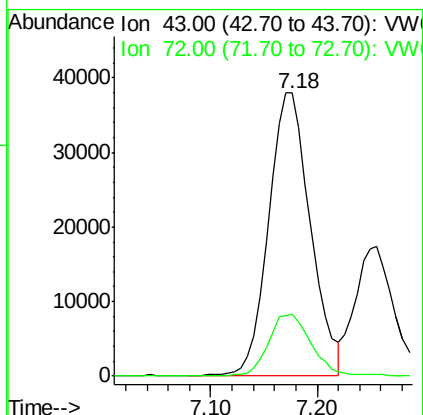
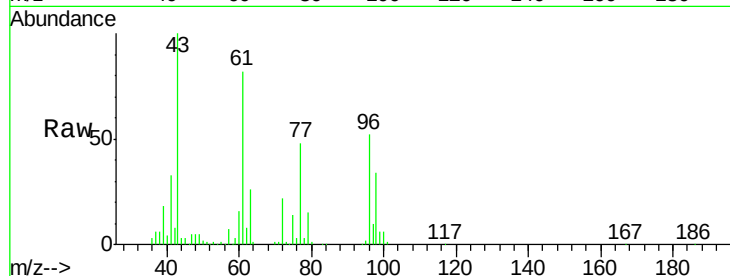
Ion Ratio Lower Upper

43 100

72 21.8 16.6 24.8

Manual Integrations
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8/8/2019 9:30:50 AM



#26

2,2-Dichloropropane

Concen: 20.535 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011744.D

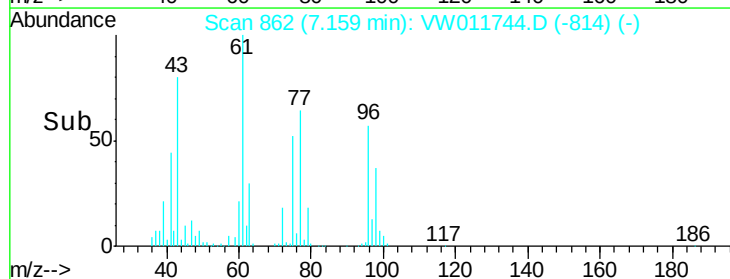
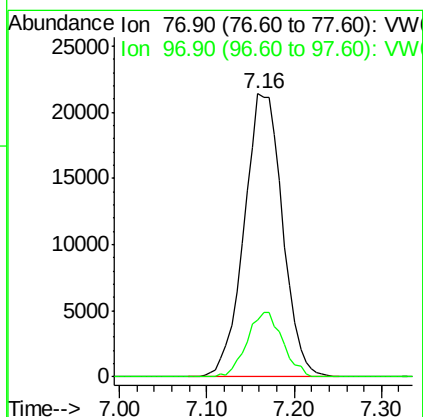
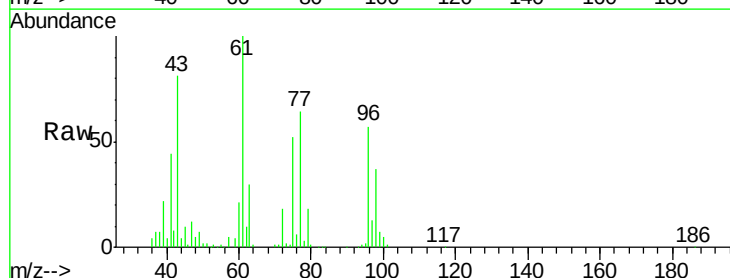
Acq: 07 Aug 2019 12:13

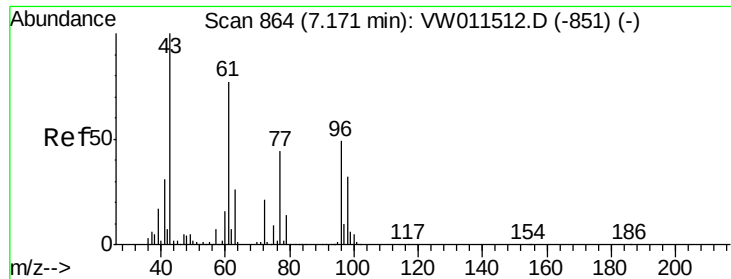
Tgt Ion: 77 Resp: 65423

Ion Ratio Lower Upper

77 100

97 21.1 10.8 32.4





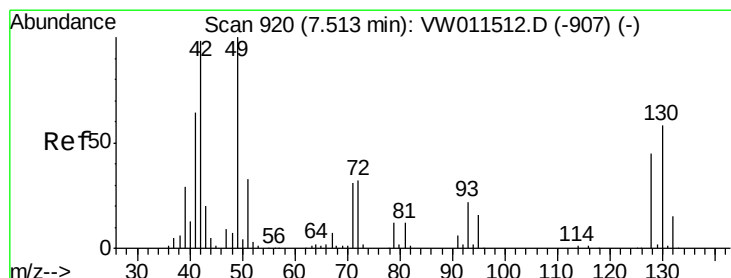
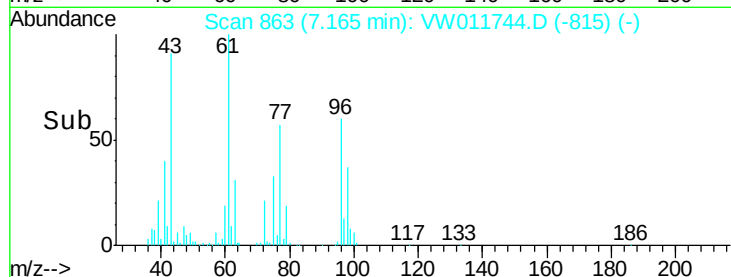
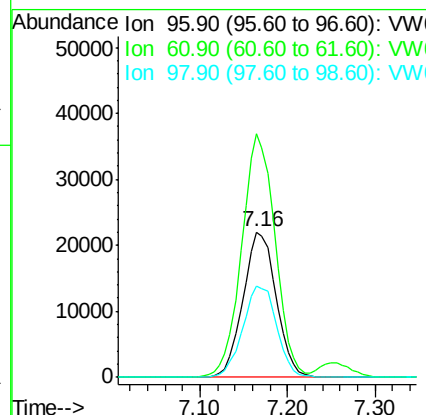
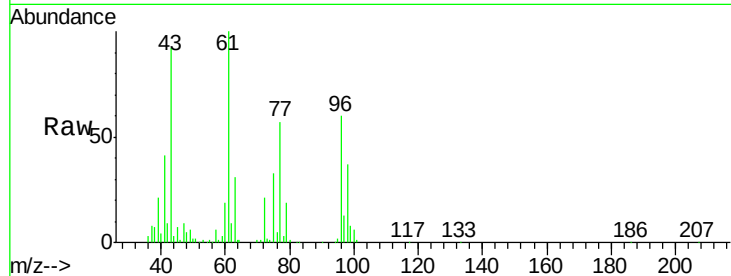
#27
 cis-1,2-Dichloroethene
 Concen: 20.262 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.3	0.0	328.4
98	64.2	0.0	128.8

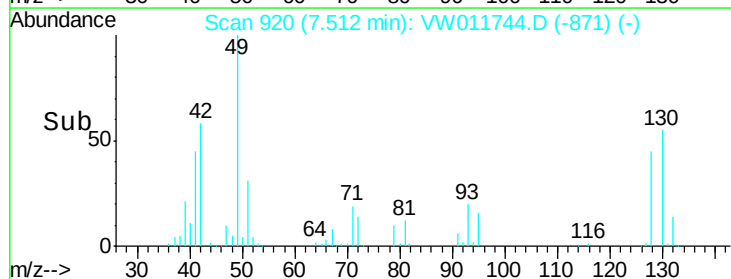
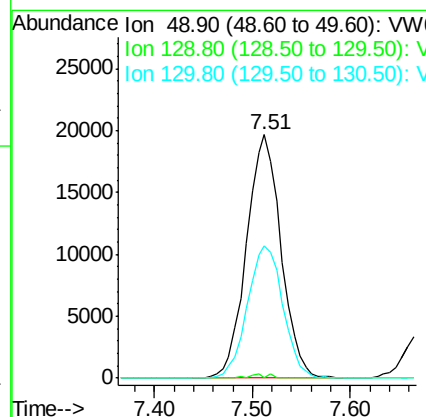
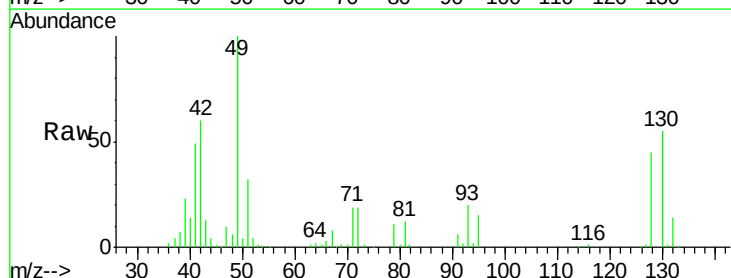
Manual Integrations
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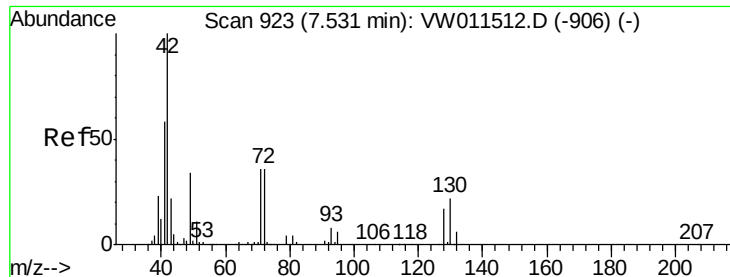
MMDadoda
 8/8/2019 9:30:50 AM



#28
 Bromochloromethane
 Concen: 20.874 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.0
130	56.1	46.3	69.5





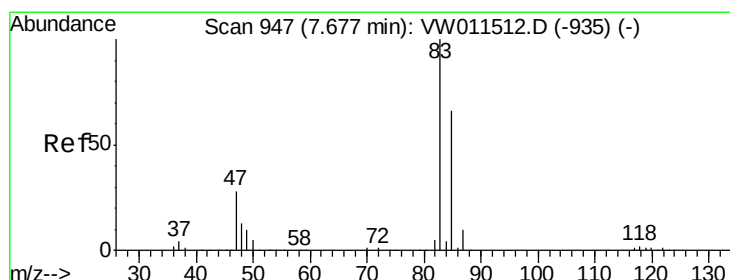
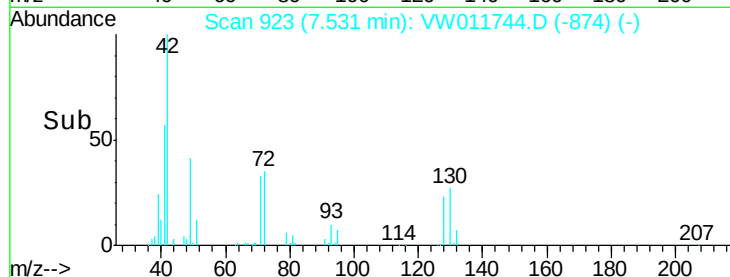
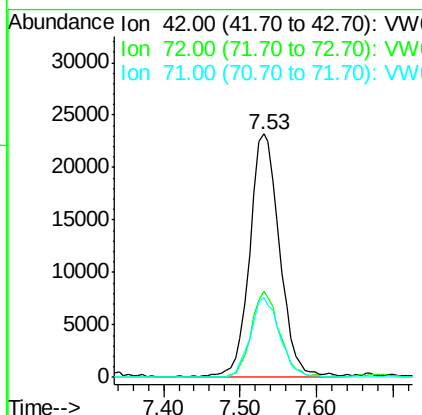
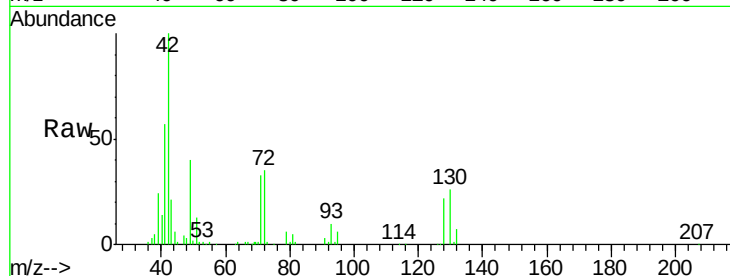
#29
Tetrahydrofuran
Concen: 99.456 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.1	40.7
71	32.3	26.2	39.4

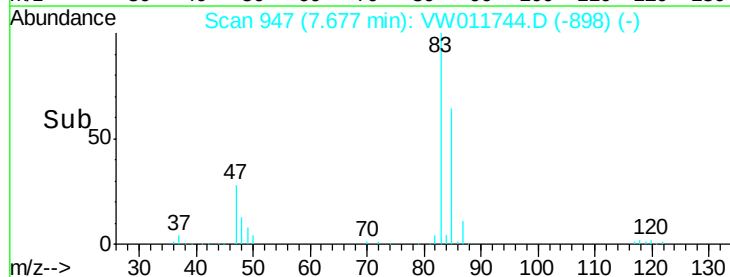
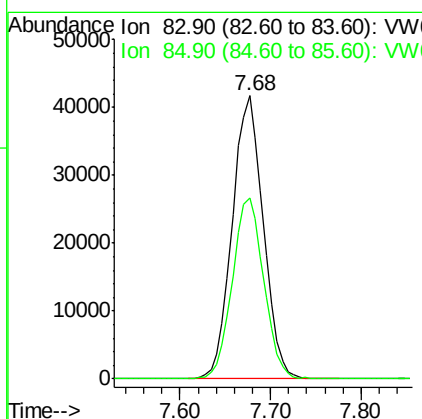
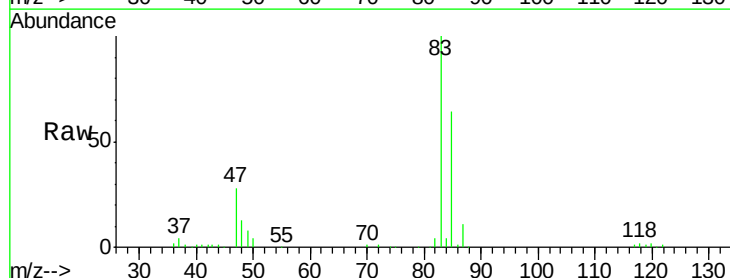
Manual Integrations
APPROVED

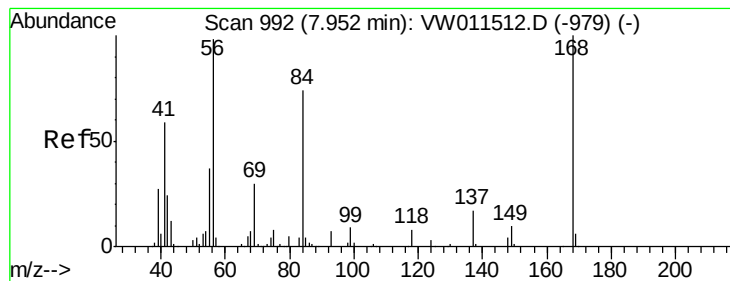
MMDadoda
8/8/2019 9:30:50 AM



#30
Chloroform
Concen: 20.728 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7





#31

Cyclohexane

Concen: 21.239 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

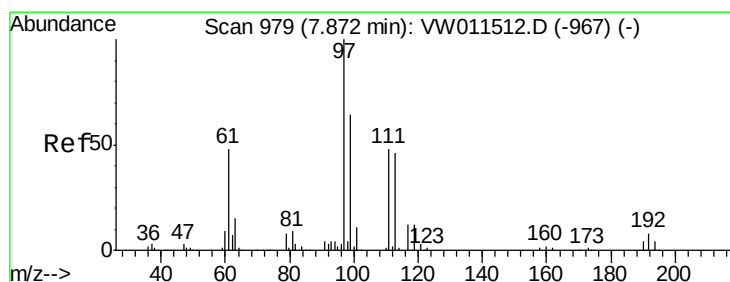
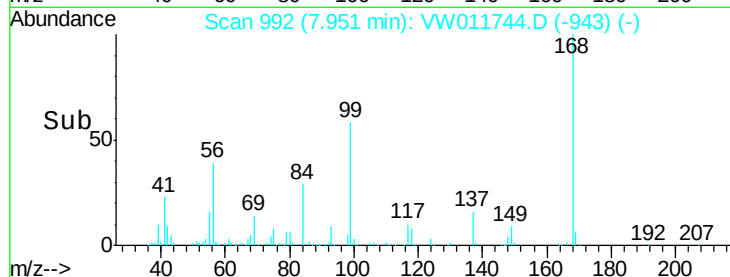
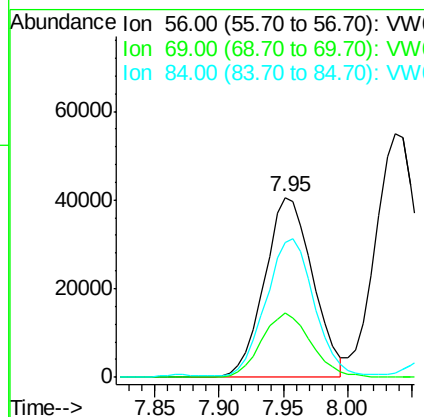
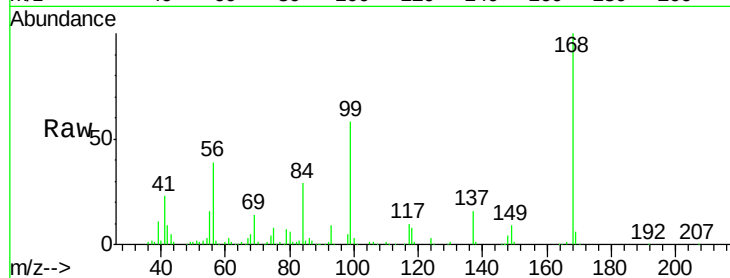
ClientSampled :

VW0808SBS01

Tot Ion:	56	Resp:	105621
Ion Ratio	Lower	Upper	
56	100		
69	36.1	24.3	36.5
84	73.7	60.4	90.6

Manual Integrations
APPROVED

MMDadoda
8/8/2019 9:30:50 AM



#32

1,1,1-Trichloroethane

Concen: 21.924 ug/l

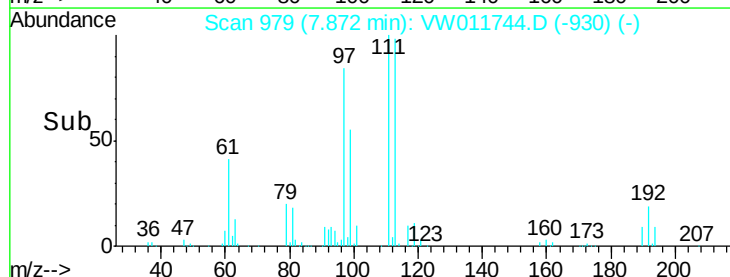
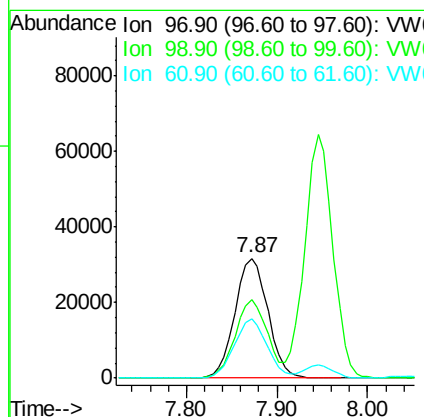
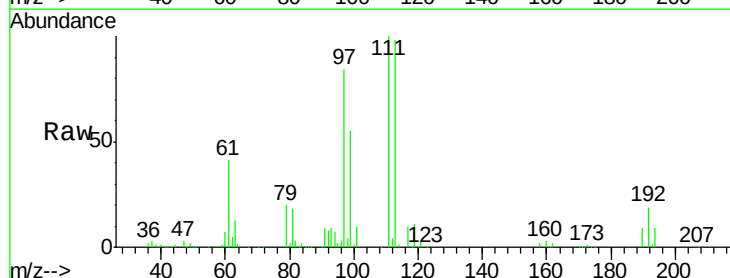
RT: 7.87 min Scan# 979

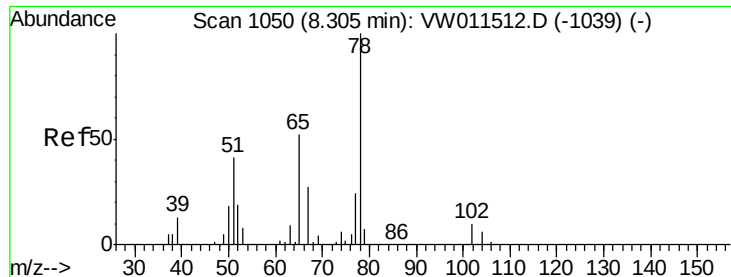
Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	97	Resp:	79800
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.0	76.6
61	49.5	39.8	59.6





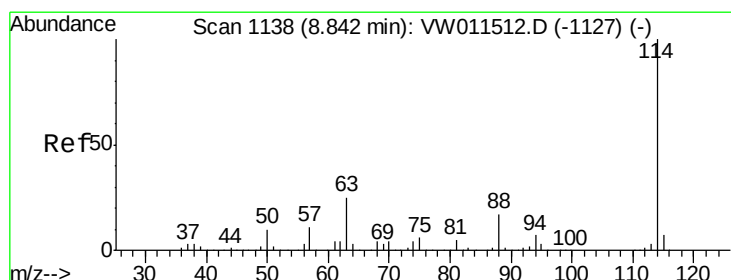
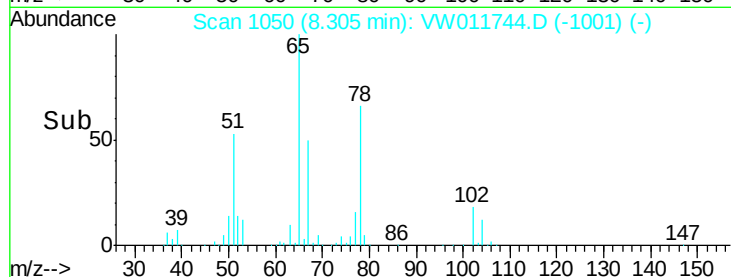
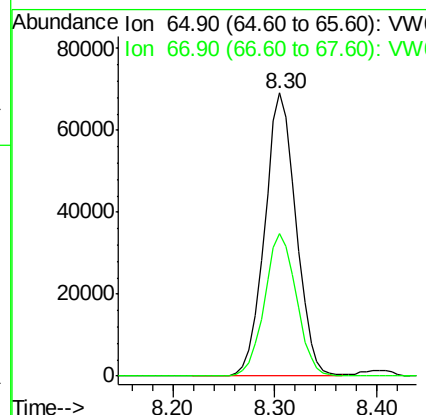
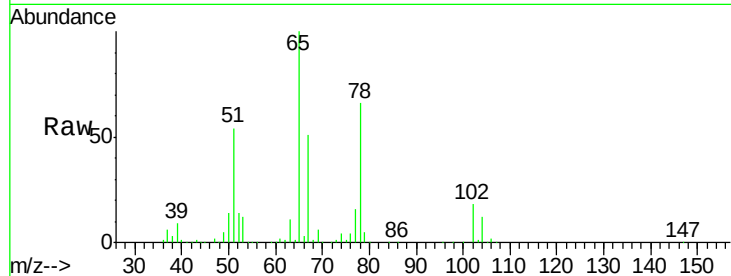
#33
 1,2-Dichloroethane-d4
 Concen: 55.372 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147271		
67	51.3	0.0	105.2	

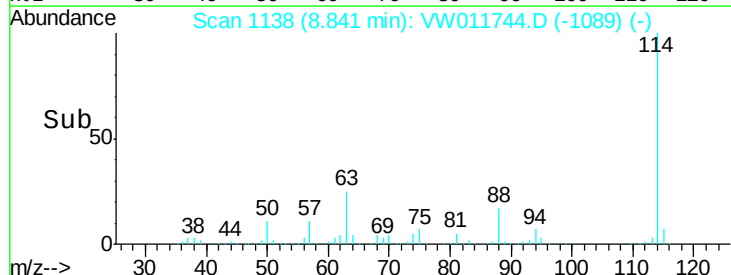
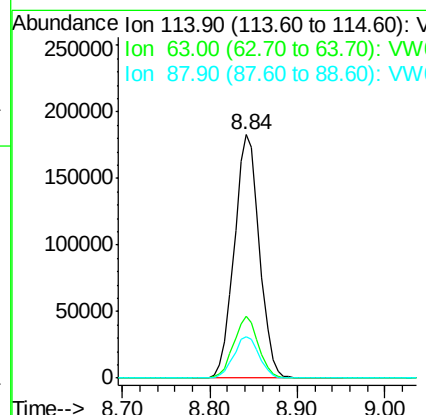
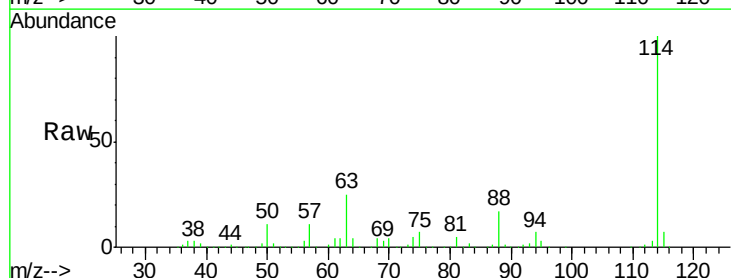
Manual Integrations
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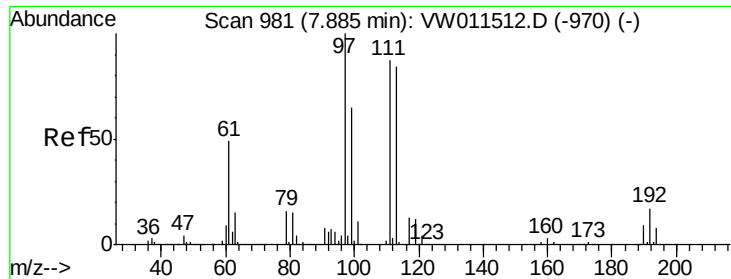
MMDadoda
 8/8/2019 9:30:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	364700		
63	25.2	0.0	49.2	
88	17.2	0.0	33.8	





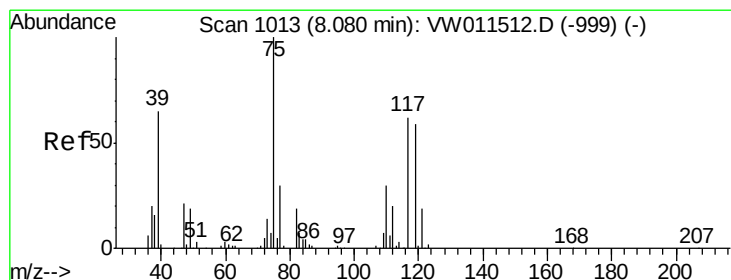
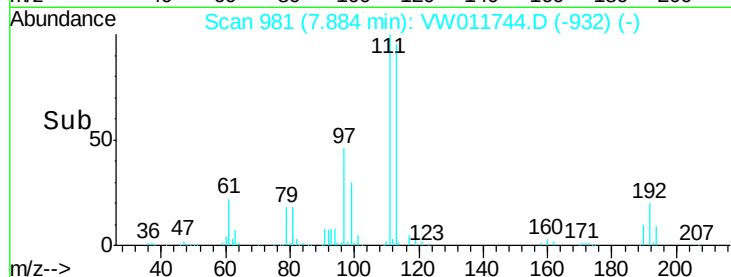
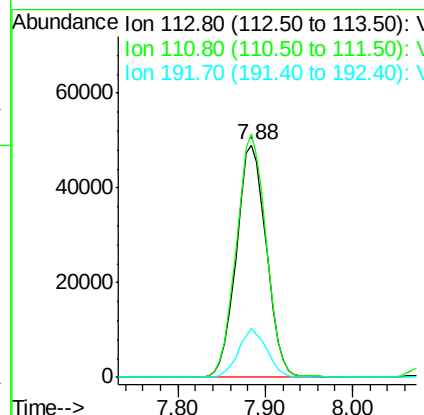
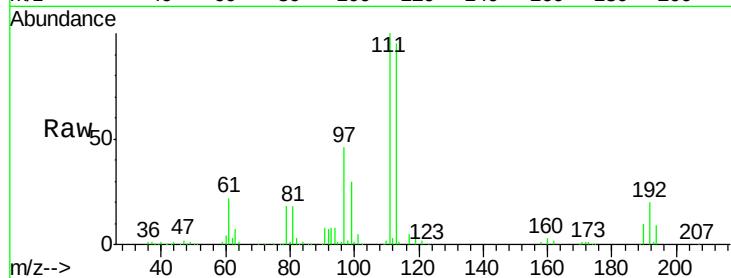
#35
 Dibromofluoromethane
 Concen: 57.282 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117200		
111	104.0	82.7	124.1	
192	20.0	16.1	24.1	

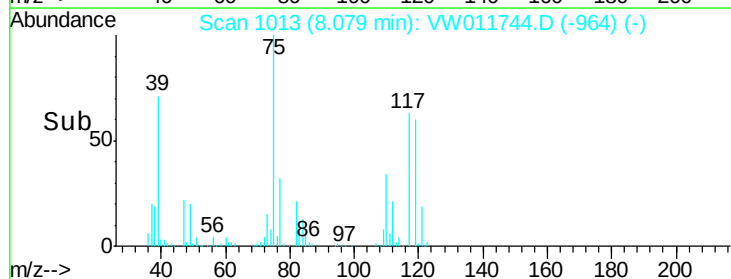
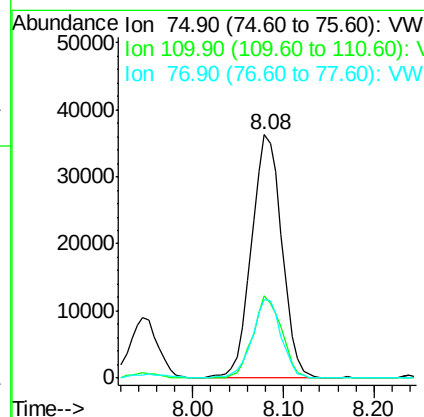
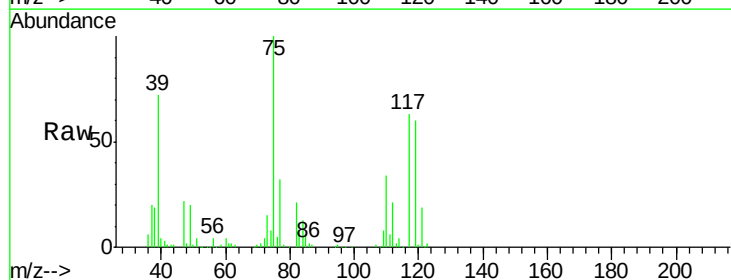
Manual Integrations
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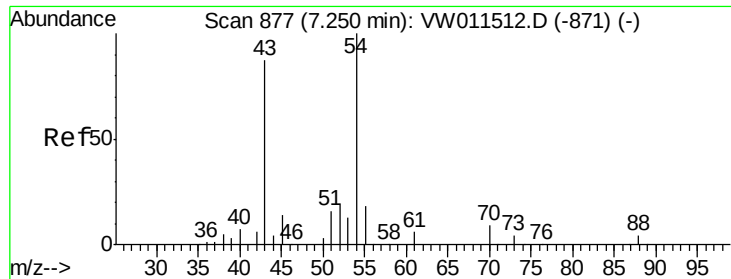
MMDadoda
 8/8/2019 9:30:50 AM



#36
 1,1-Dichloropropene
 Concen: 22.077 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83719		
110	32.0	15.6	46.8	
77	31.4	24.3	36.5	





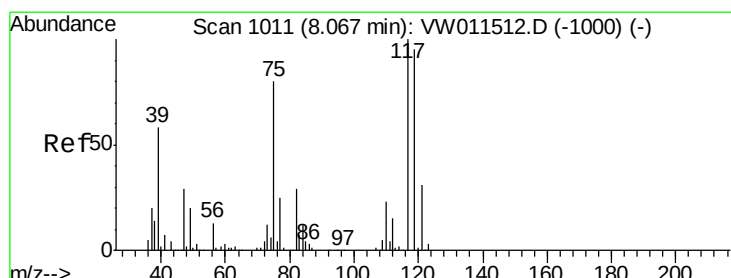
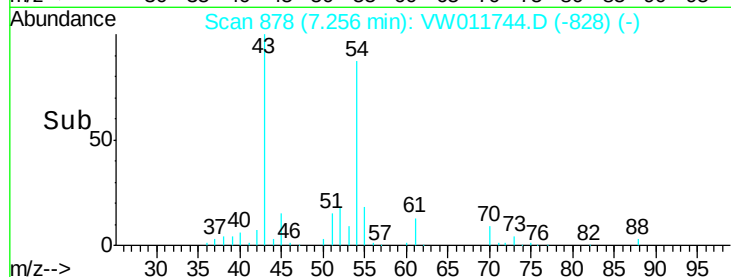
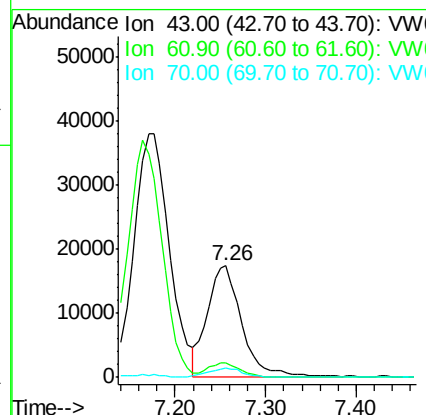
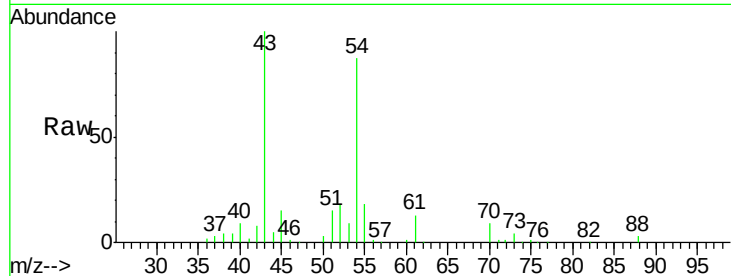
#37
Ethyl Acetate
Concen: 20.790 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	8.8	13.2
70	8.6	7.1	10.7

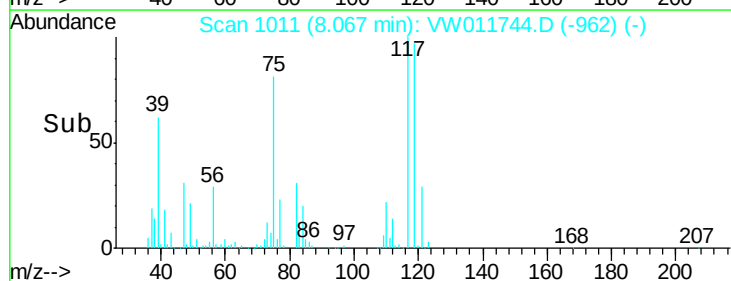
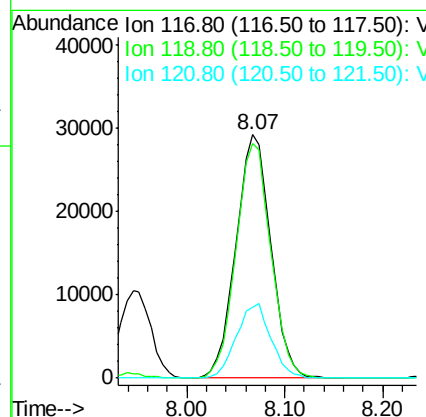
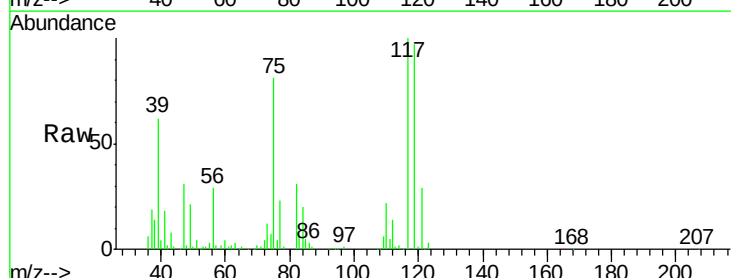
Manual Integrations
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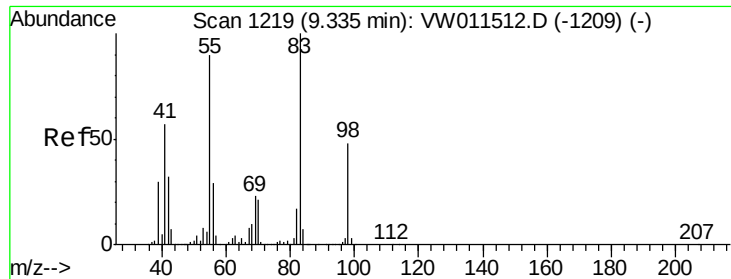
MMDadoda
8/8/2019 9:30:50 AM



#38
Carbon Tetrachloride
Concen: 22.398 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.6
121	29.3	24.7	37.1





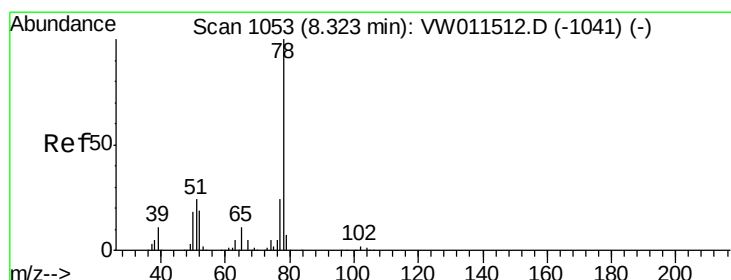
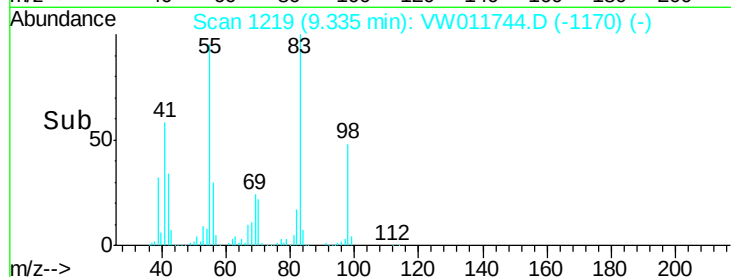
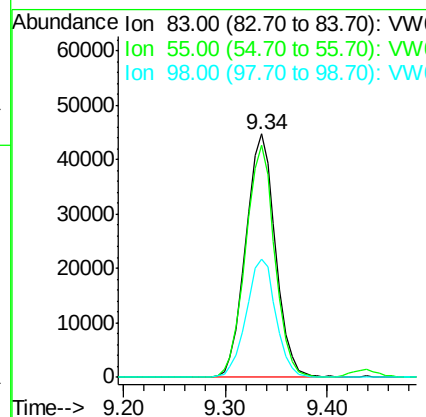
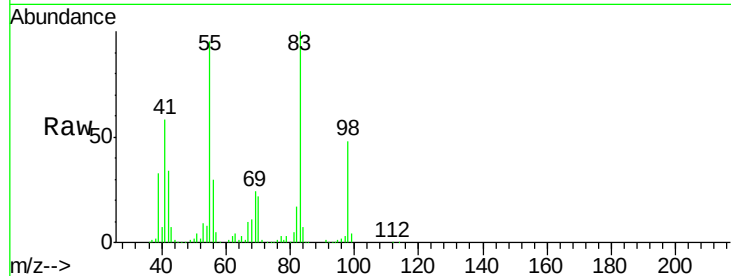
#39
Methylvlcyclohexane
Concen: 21.726 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.5	72.1	108.1
98	48.3	38.6	57.8

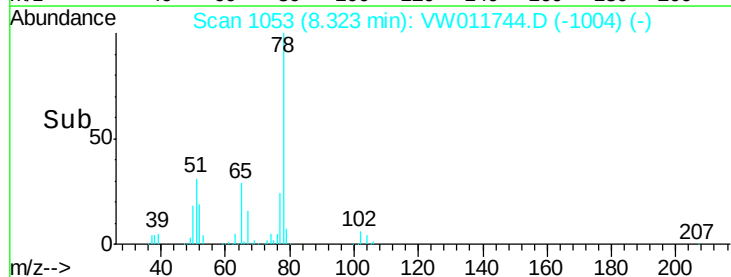
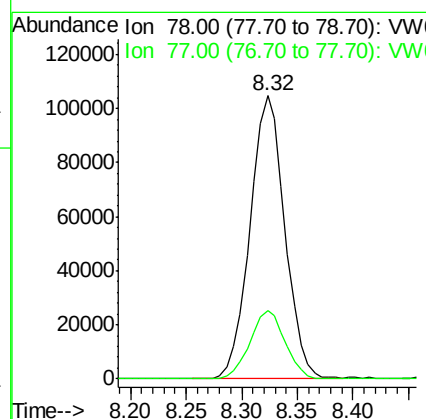
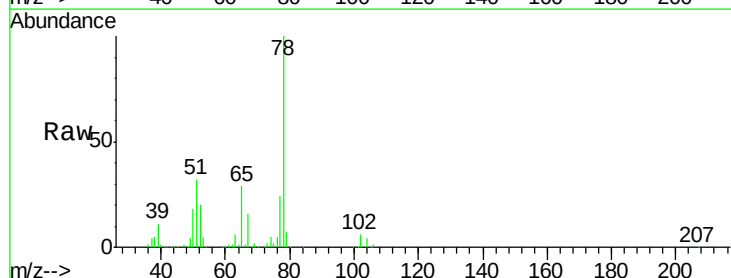
Manual Integrations
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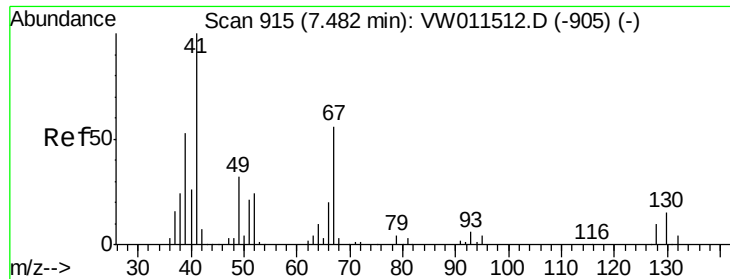
MMDadoda
8/8/2019 9:30:50 AM



#40
Benzene
Concen: 21.423 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





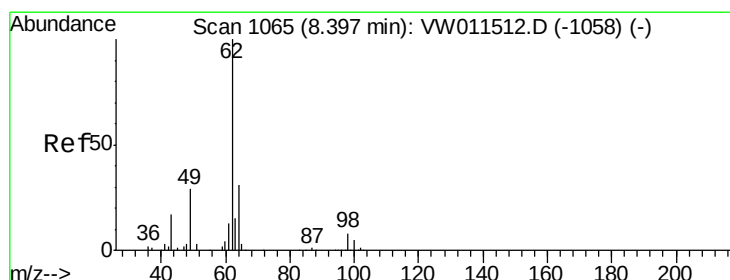
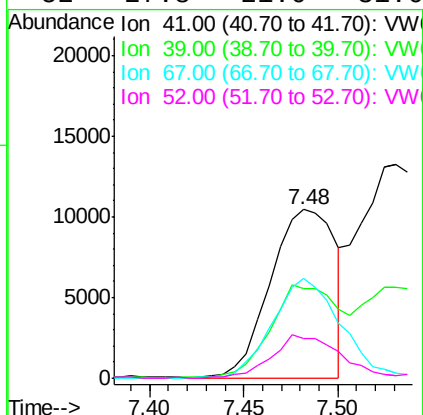
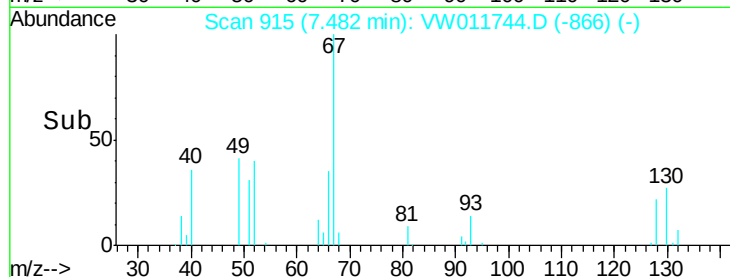
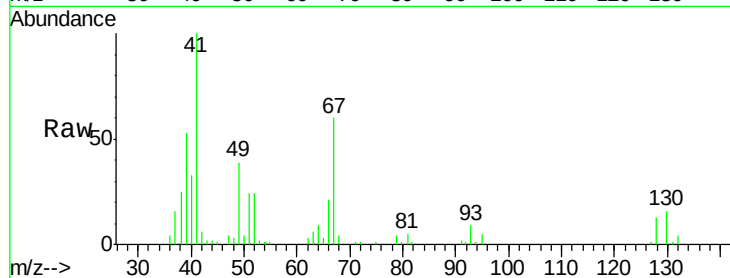
#41
Methacrylonitrile
Concen: 19.215 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.0	43.0	64.4	
67	63.2	47.5	71.3	
52	27.8	21.0	31.6	

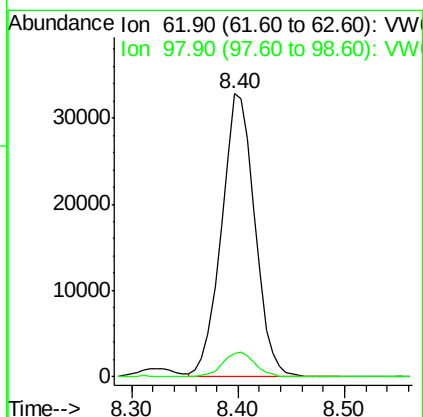
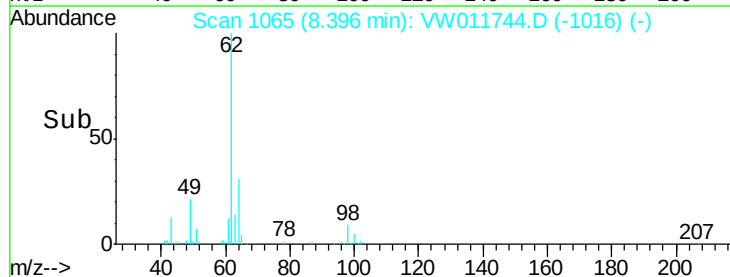
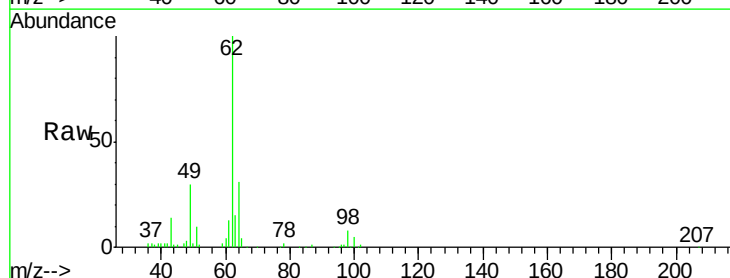
Manual Integrations
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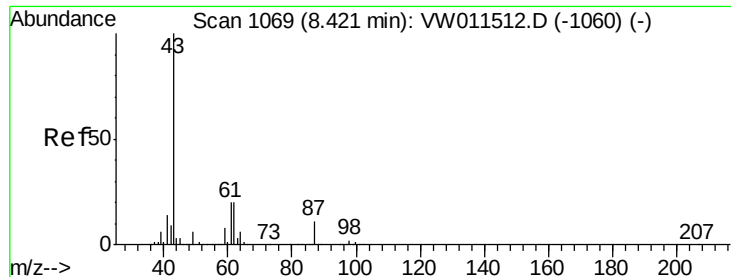
MMDadoda
8/8/2019 9:30:50 AM



#42
1,2-Dichloroethane
Concen: 21.581 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.8	





#43

Isopropyl Acetate

Concen: 20.975 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

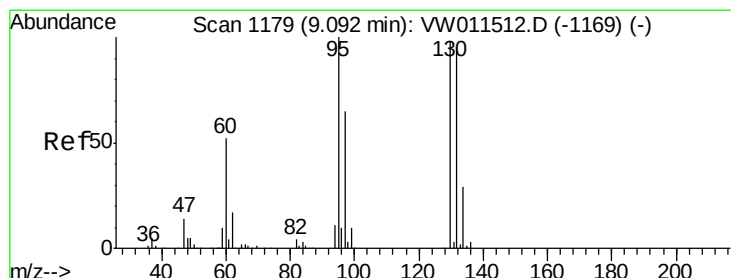
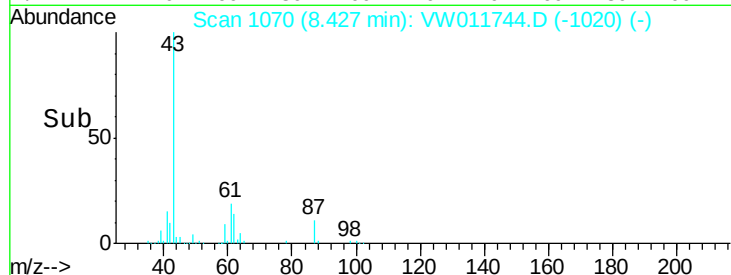
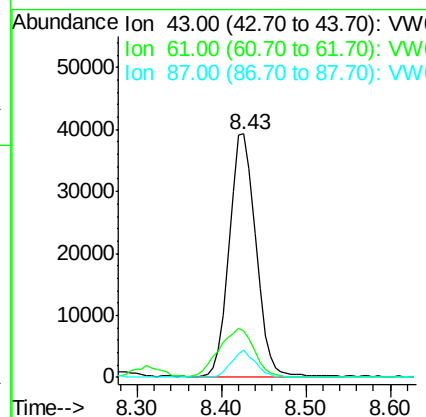
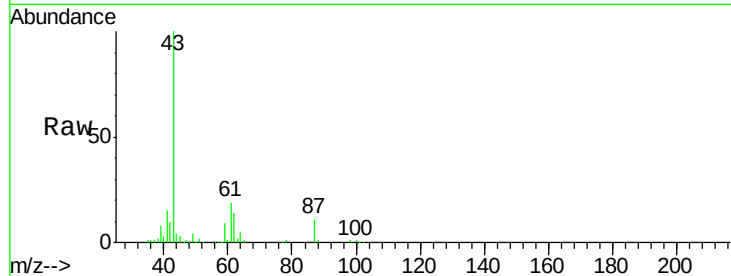
ClientSampleId :

VW0808SBS01

Tot Ion:	43	Resp:	84162
Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.5	32.3
87	10.0	8.4	12.6

Manual Integrations
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MMDadoda
8/8/2019 9:30:50 AM



#44

Trichloroethene

Concen: 21.407 ug/l

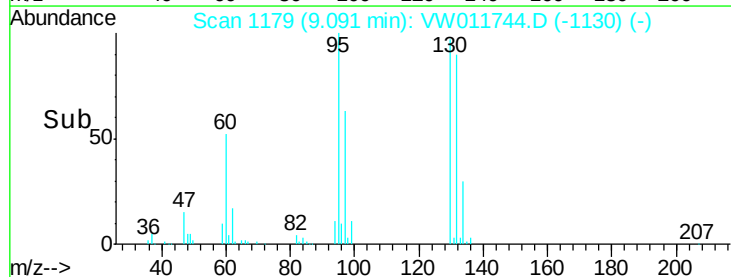
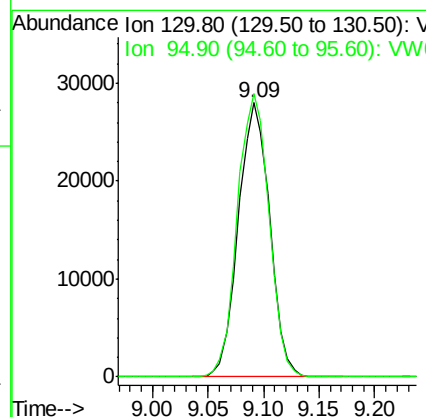
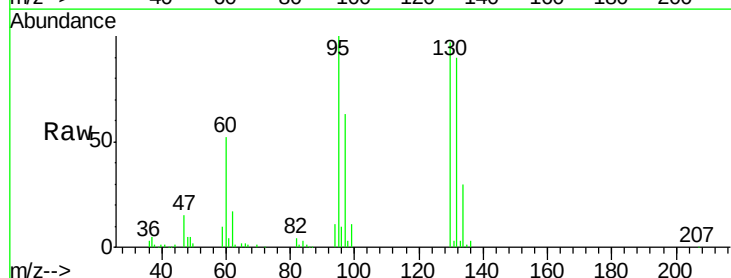
RT: 9.09 min Scan# 1179

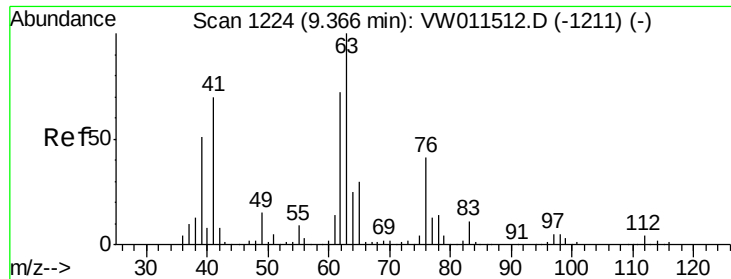
Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	130	Resp:	54653
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	204.8





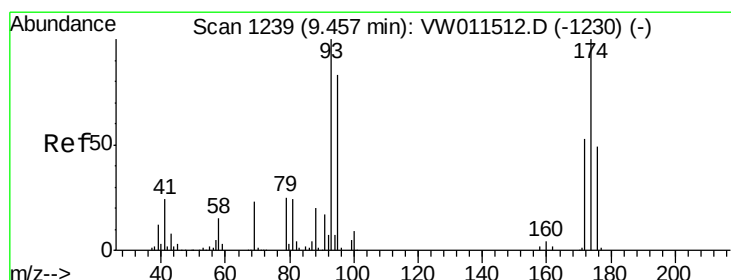
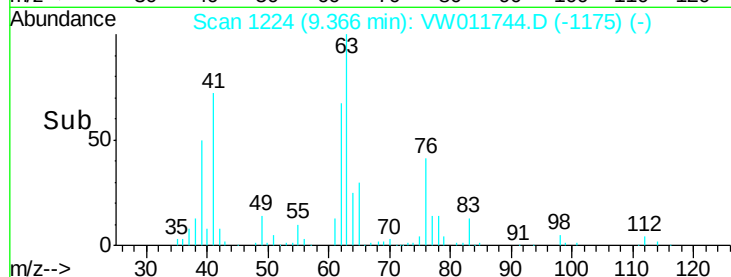
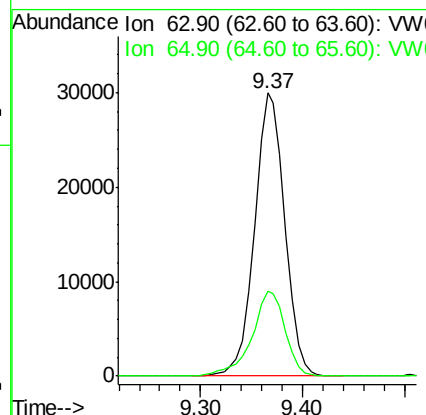
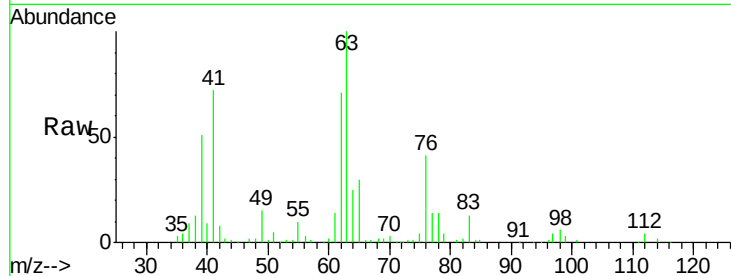
#45
 1,2-Dichloropropane
 Concen: 21.649 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampled :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.2	36.4

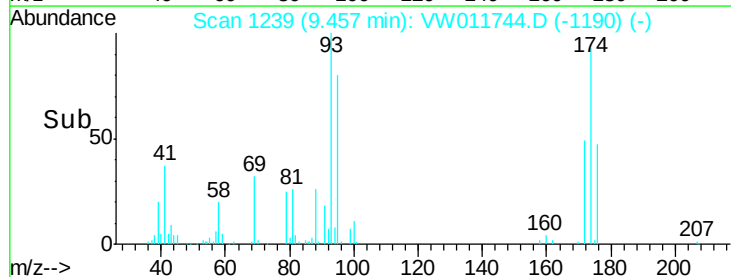
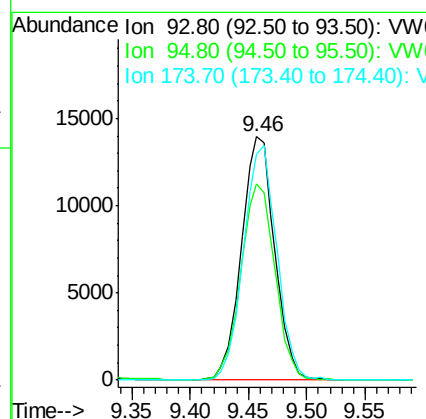
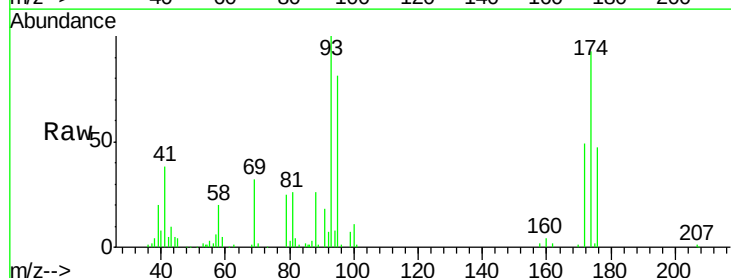
Manual Integrations
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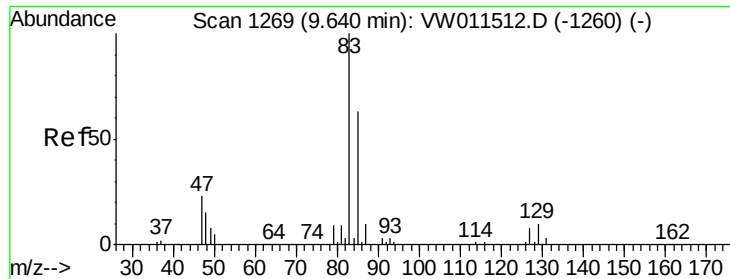
MMDadoda
 8/8/2019 9:30:50 AM



#46
 Dibromomethane
 Concen: 21.374 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.2	99.2
174	96.7	78.2	117.4





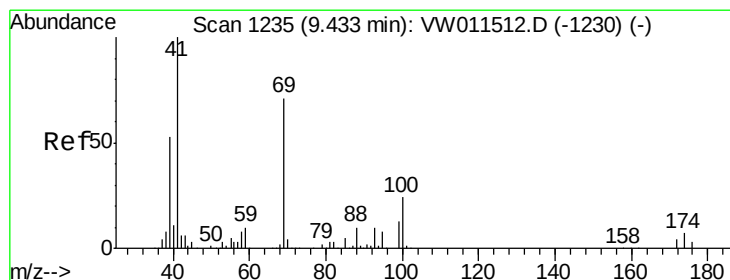
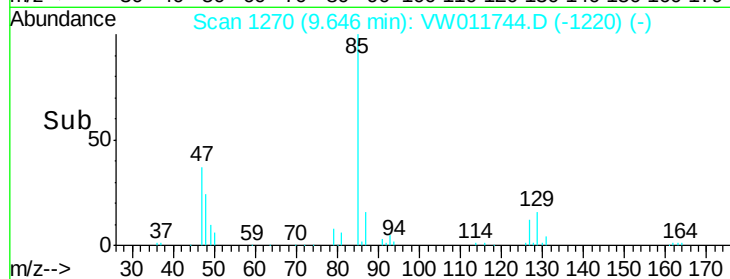
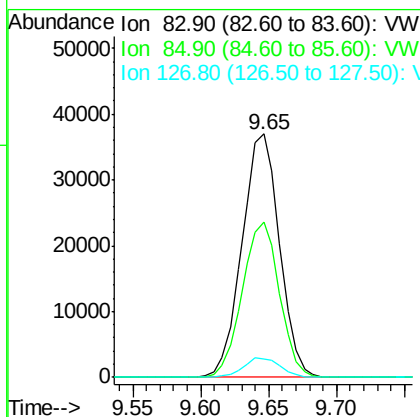
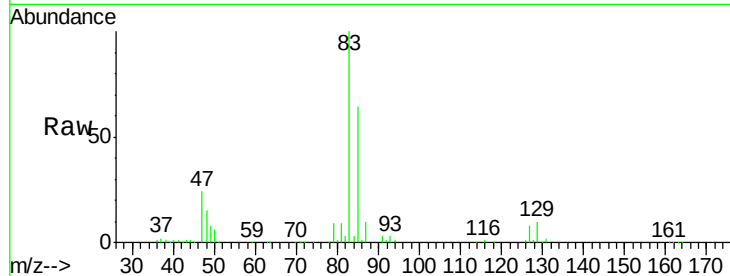
#47
Bromodichloromethane
Concen: 20.946 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	83	Resp	71273
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.5	75.7
127	7.6	6.4	9.6

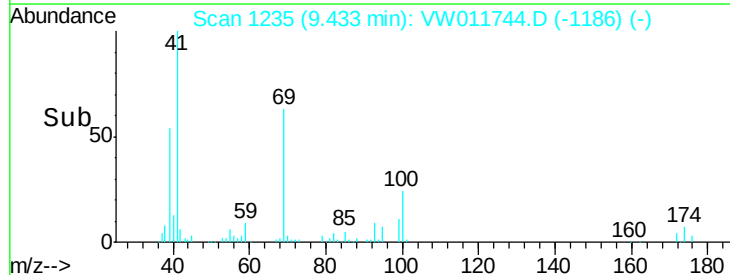
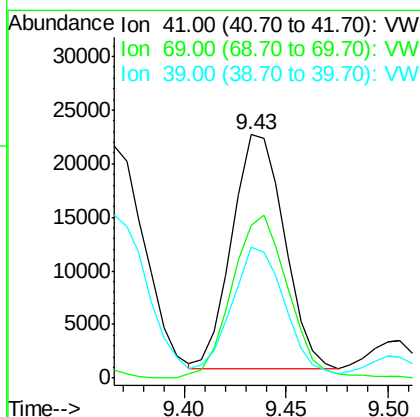
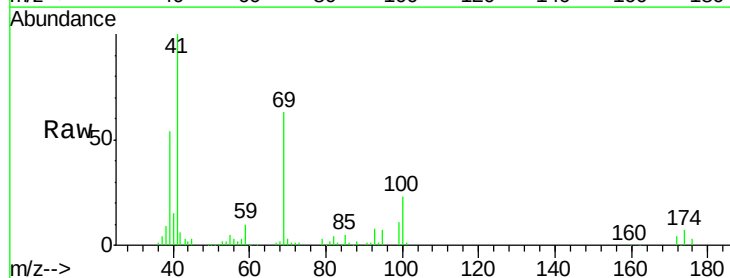
Manual Integrations
APPROVED

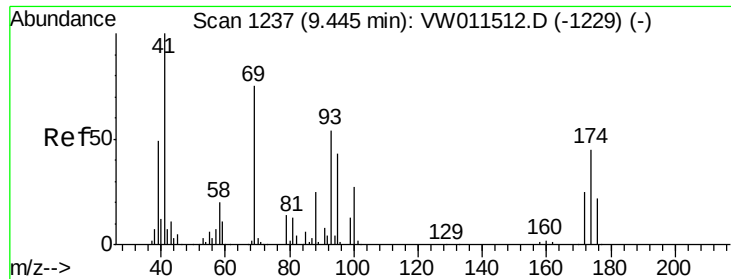
MMDadoda
8/8/2019 9:30:50 AM



#48
Methyl methacrylate
Concen: 20.287 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	41	Resp	39102
Ion Ratio	100	Lower	Upper
41	100		
69	73.5	57.1	85.7
39	54.5	45.4	68.2





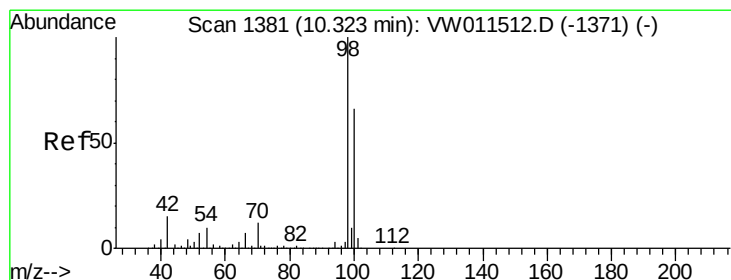
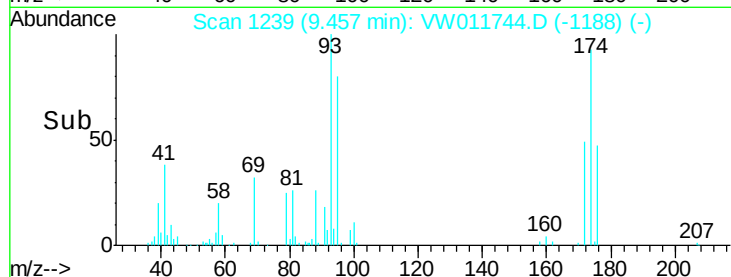
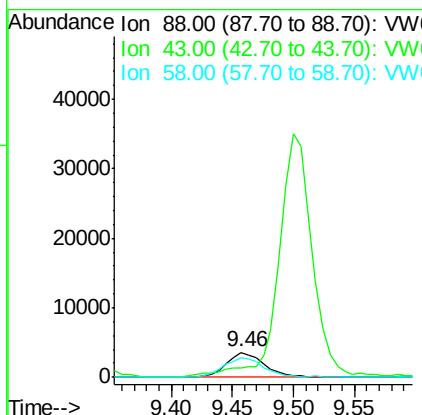
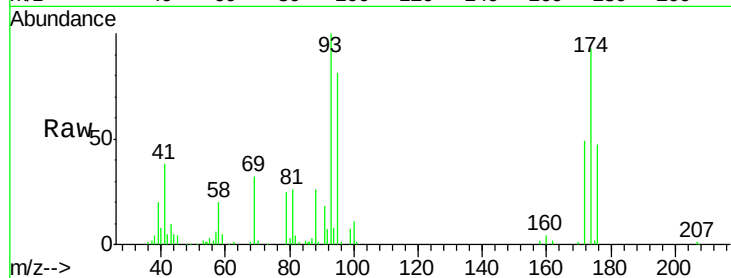
#49
1,4-Dioxane
Concen: 410.323 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion: 88 Resp: 7707
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 84.1 69.7 104.5

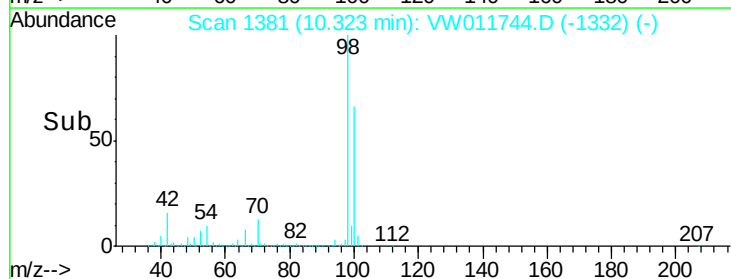
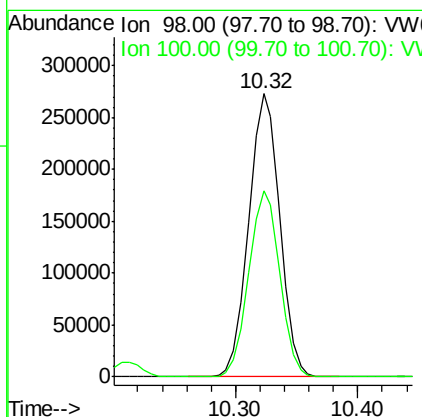
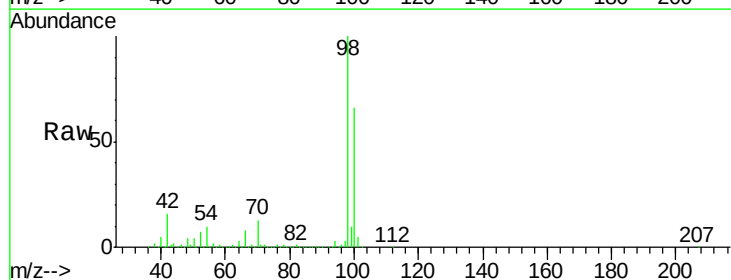
Manual Integrations
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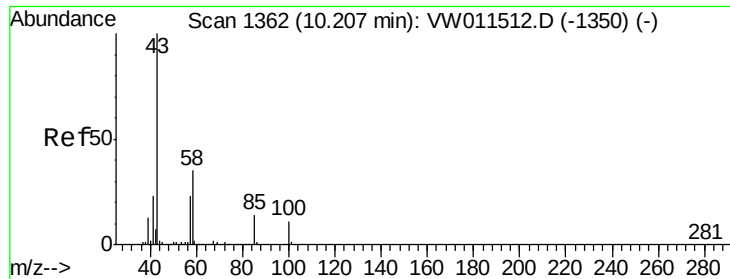
MMDadoda
8/8/2019 9:30:50 AM



#50
Toluene-d8
Concen: 57.718 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion: 98 Resp: 483503
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1





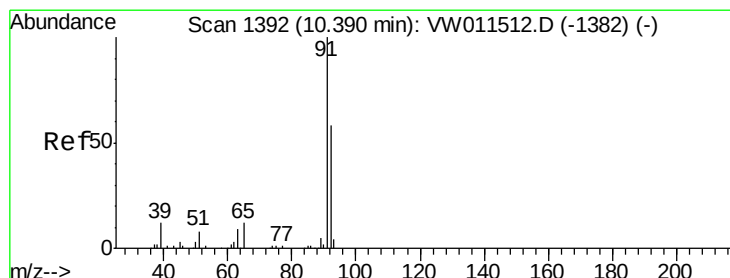
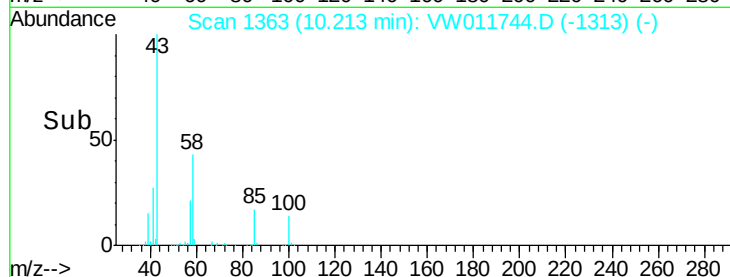
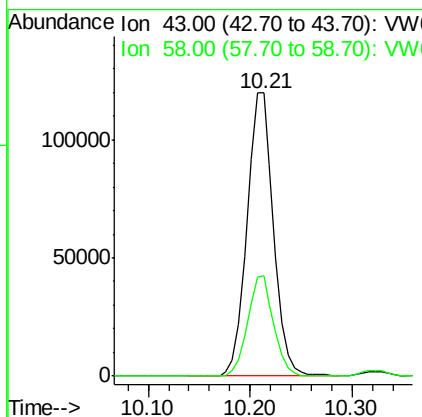
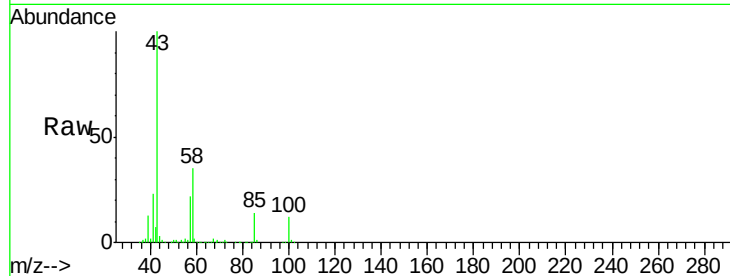
#51
4-Methyl-2-Pentanone
Concen: 103.441 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.2	42.2

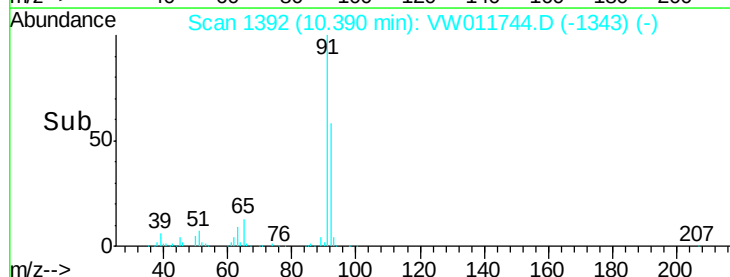
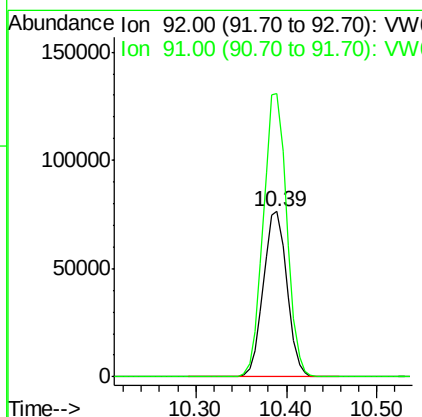
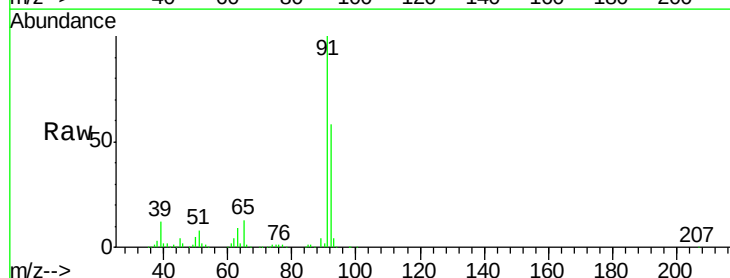
Manual Integrations
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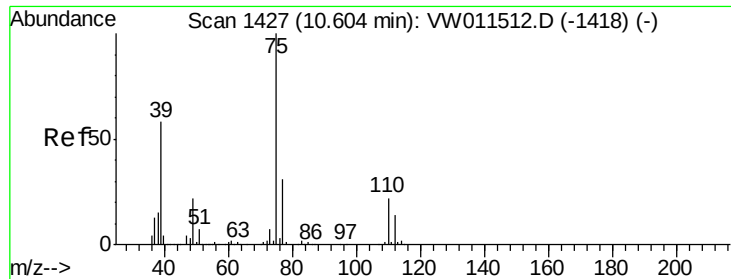
MMDadoda
8/8/2019 9:30:50 AM



#52
Toluene
Concen: 21.559 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.7	205.1





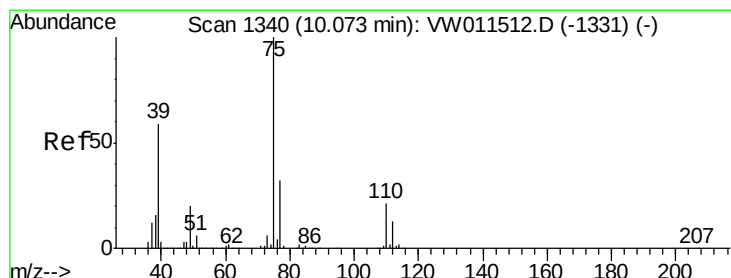
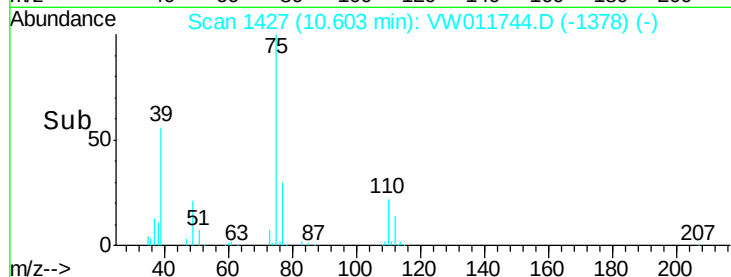
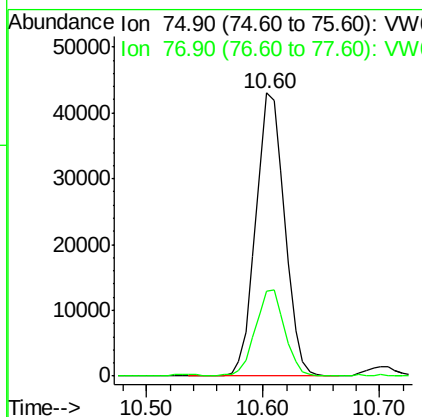
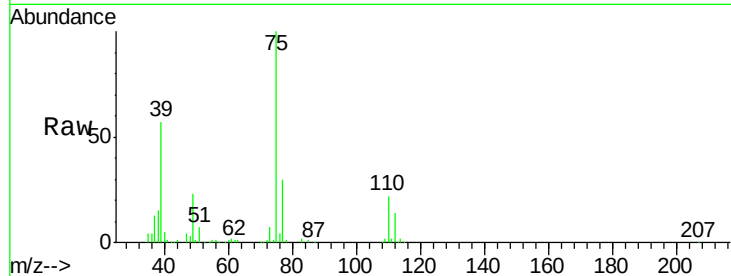
#53
t-1,3-Dichloropropene
Concen: 20.957 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion: 75 Resp: 74494
Ion Ratio Lower Upper
75 100
77 29.7 25.0 37.4

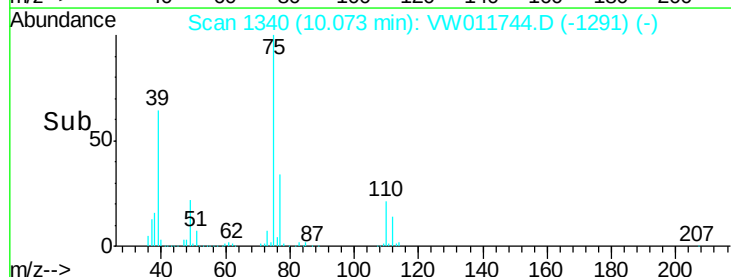
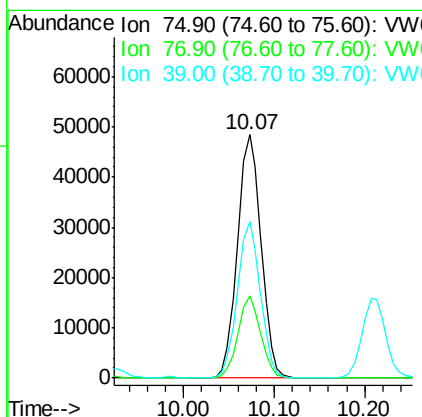
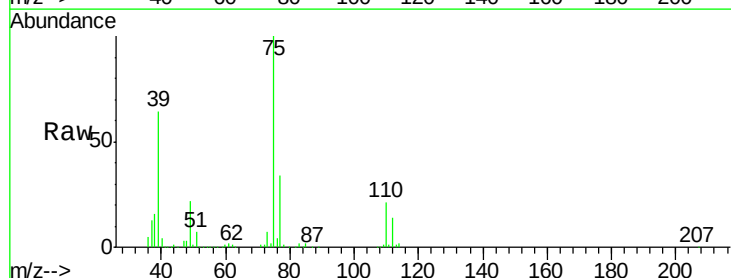
Manual Integrations
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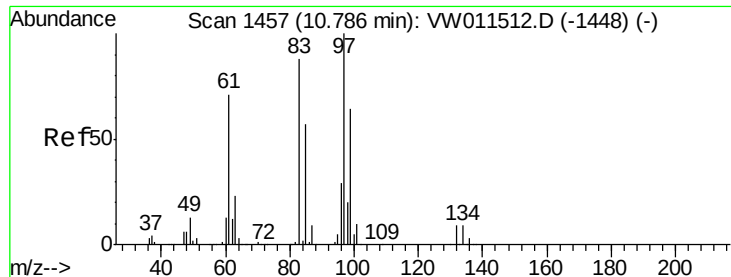
MMDadoda
8/8/2019 9:30:50 AM



#54
cis-1,3-Dichloropropene
Concen: 20.747 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion: 75 Resp: 87683
Ion Ratio Lower Upper
75 100
77 33.8 25.6 38.4
39 64.1 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 20.875 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

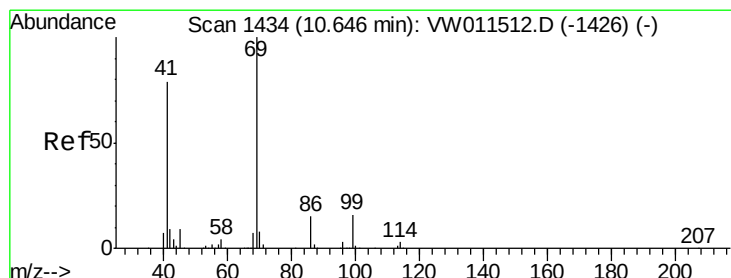
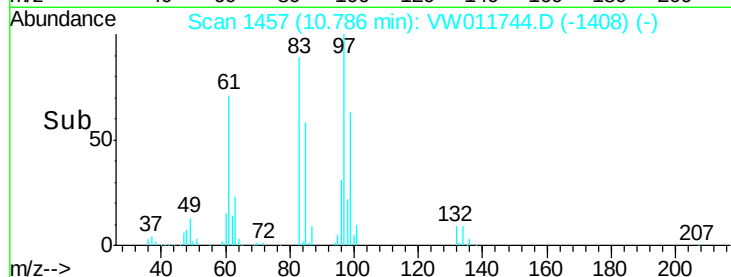
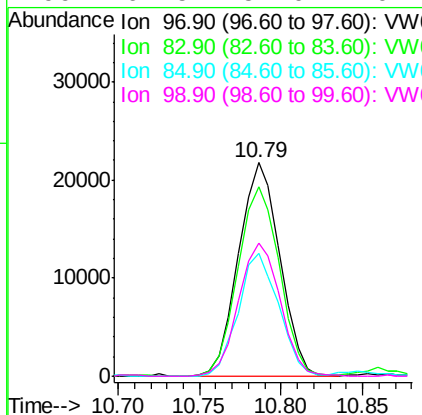
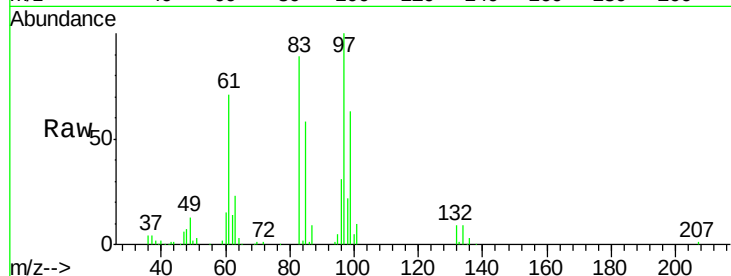
ClientSampleId :

VW0808SBS01

Tot Ion:	97	Resp:	38421
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.5	105.7
85	57.7	45.8	68.6
99	62.5	51.0	76.4

Manual Integrations
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MMDadoda
8/8/2019 9:30:50 AM



#56

Ethyl methacrylate

Concen: 21.036 ug/l

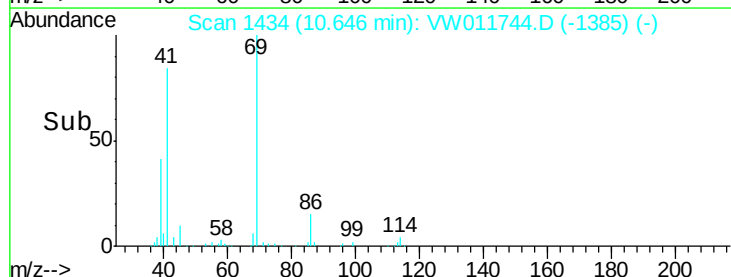
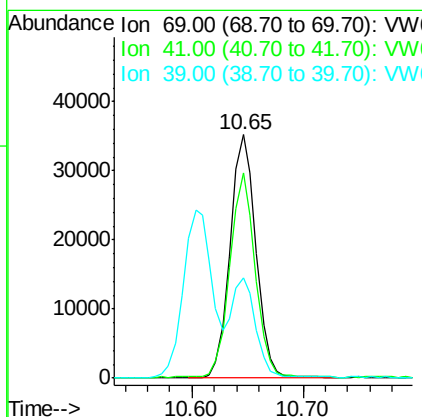
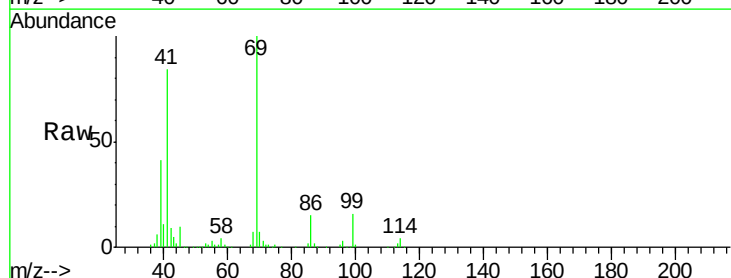
RT: 10.65 min Scan# 1434

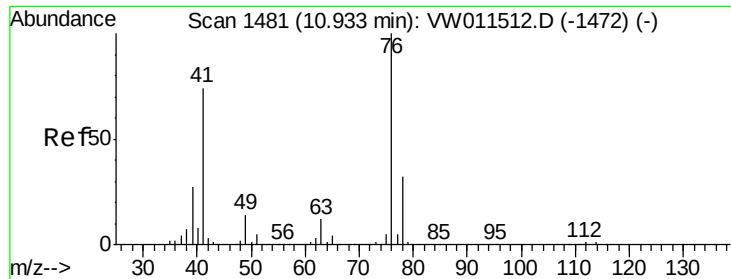
Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	69	Resp:	56656
Ion	Ratio	Lower	Upper
69	100		
41	83.4	66.6	99.8
39	37.9	30.3	45.5





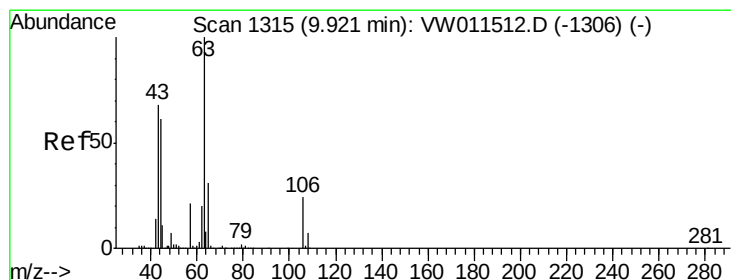
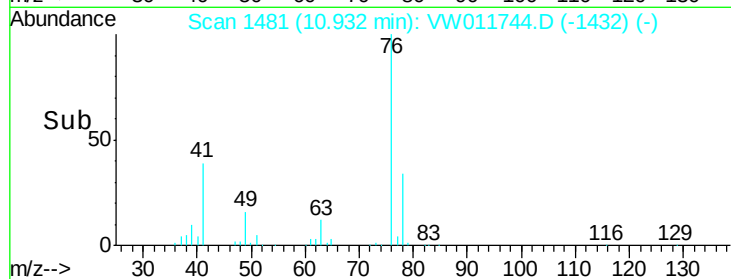
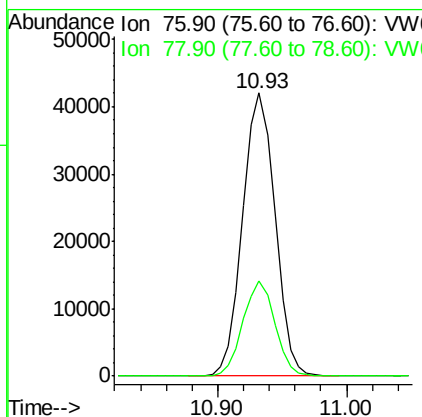
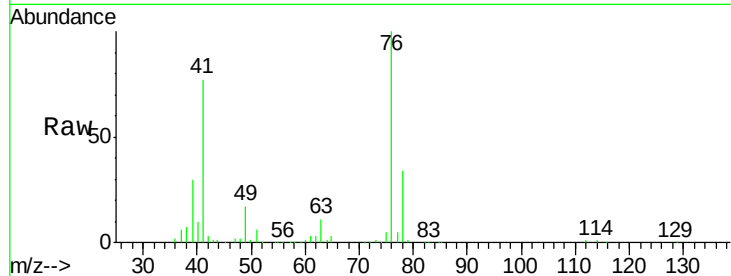
#57
 1,3-Dichloropropane
 Concen: 21.022 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion: 76 Resp: 73200
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.2 37.8

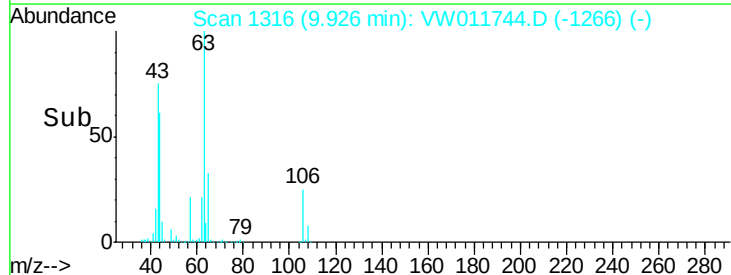
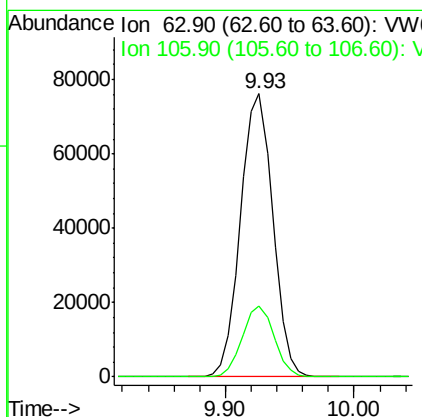
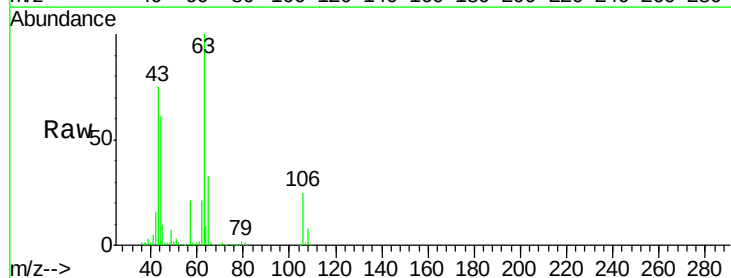
Manual Integrations
 APPROVED

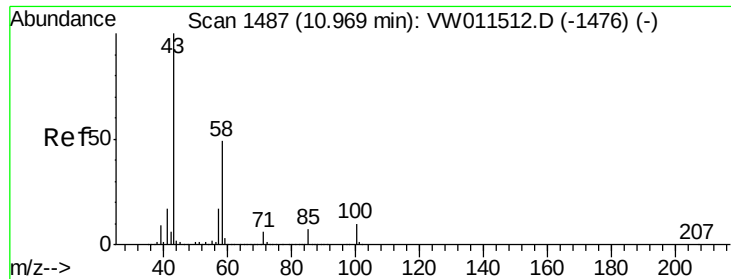
MMDadoda
 8/8/2019 9:30:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.264 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion: 63 Resp: 132393
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5





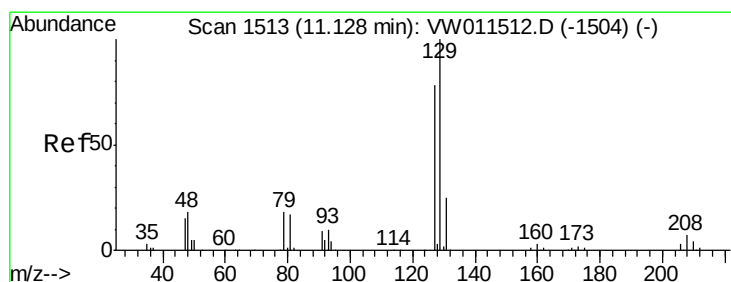
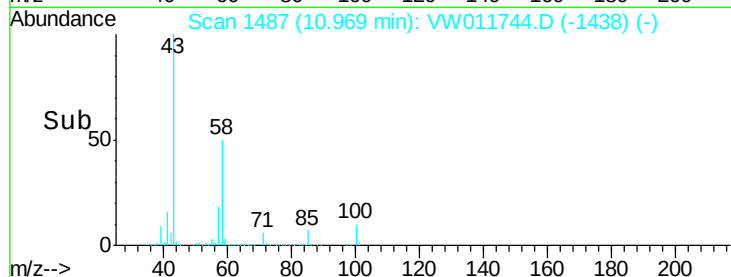
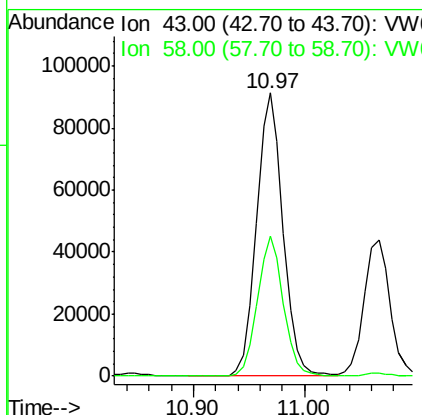
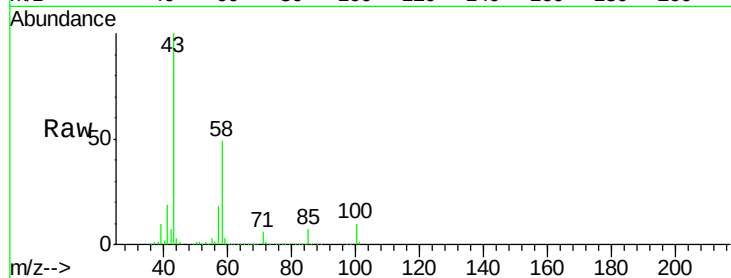
#59
2-Hexanone
Concen: 102.147 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion: 43 Resp: 150524
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9

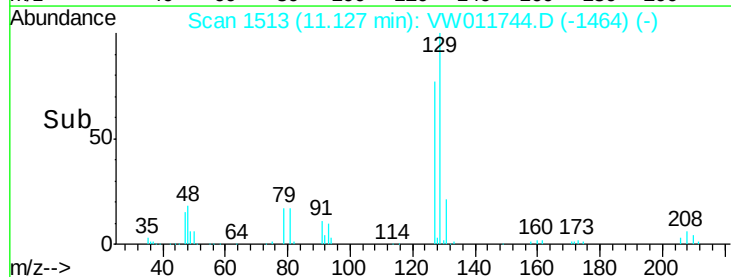
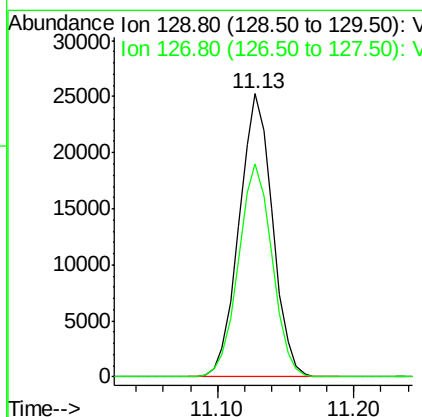
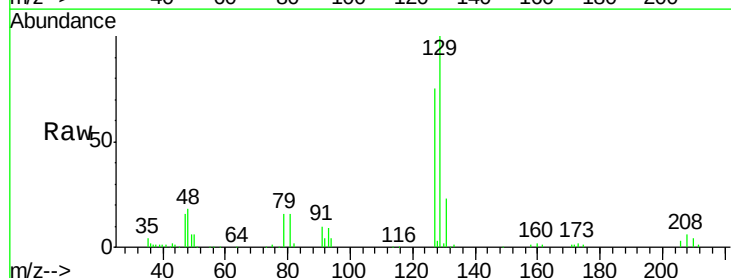
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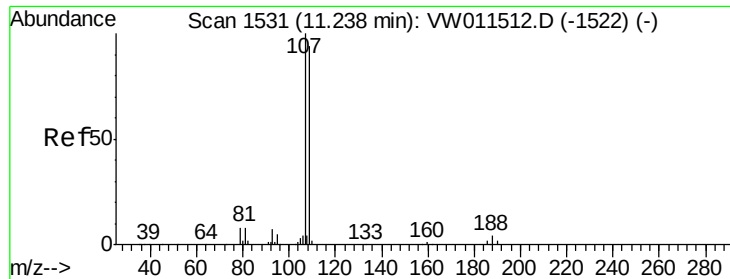
MMDadoda
8/8/2019 9:30:50 AM



#60
Dibromochloromethane
Concen: 21.161 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion: 129 Resp: 43232
Ion Ratio Lower Upper
129 100
127 75.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 21.048 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion:107 Resp: 36661

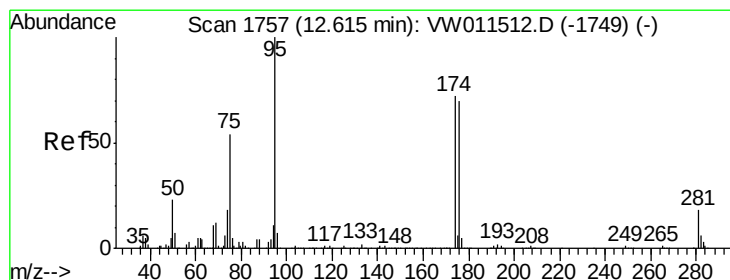
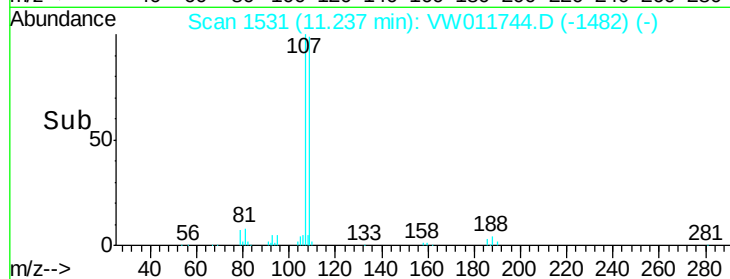
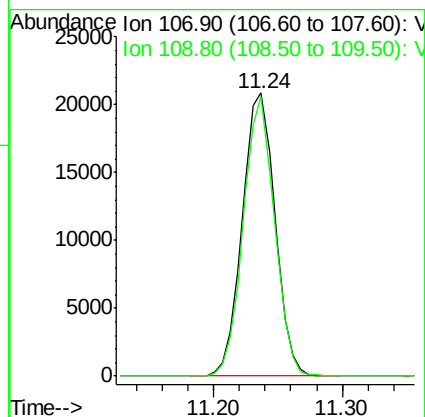
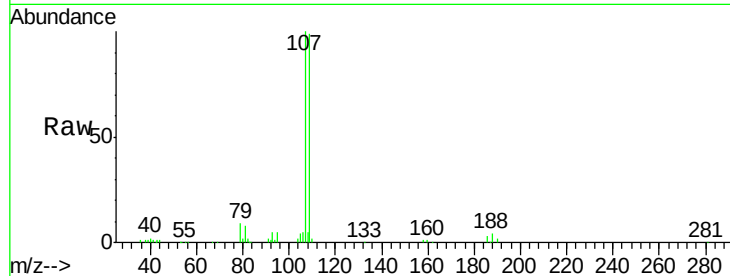
Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.6

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8/8/2019 9:30:50 AM



#62

4-Bromofluorobenzene

Concen: 57.246 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

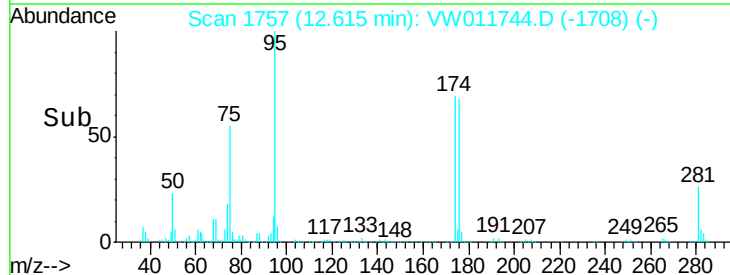
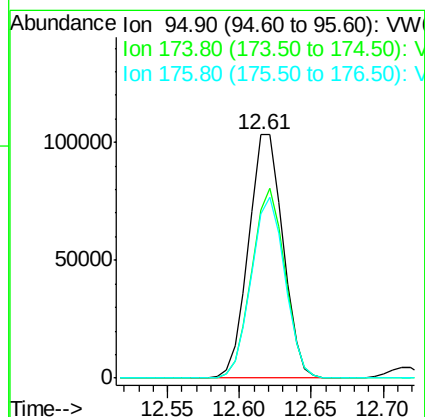
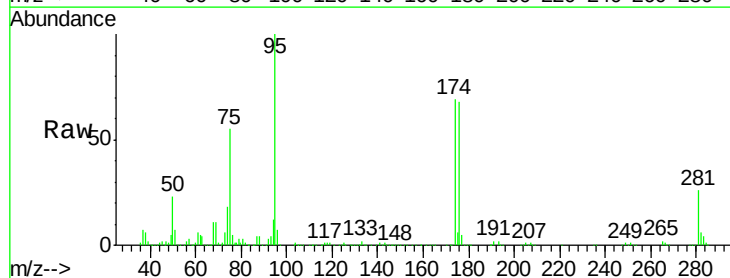
Tgt Ion: 95 Resp: 170971

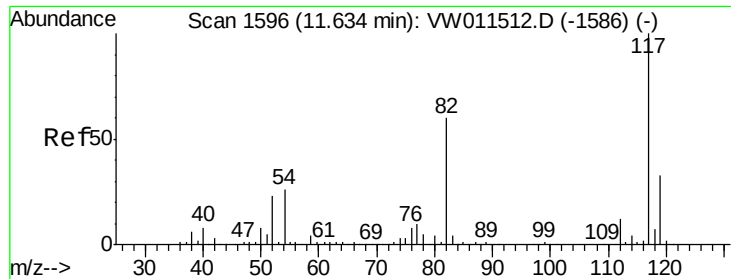
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 72.7 0.0 144.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

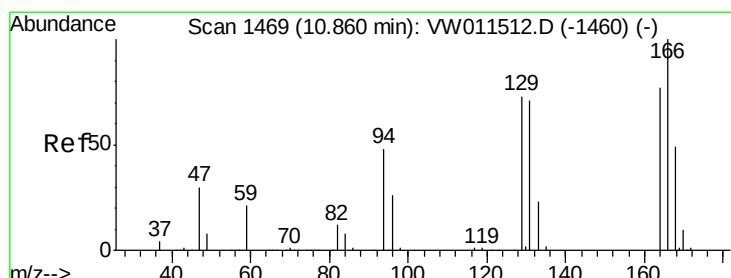
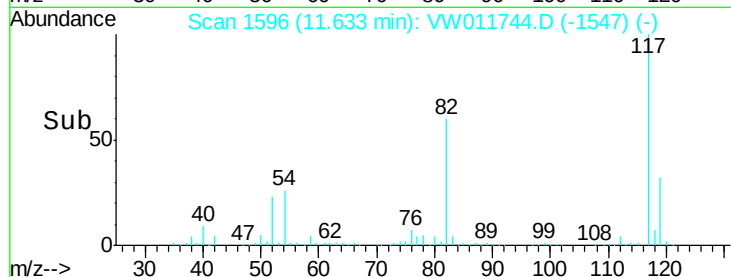
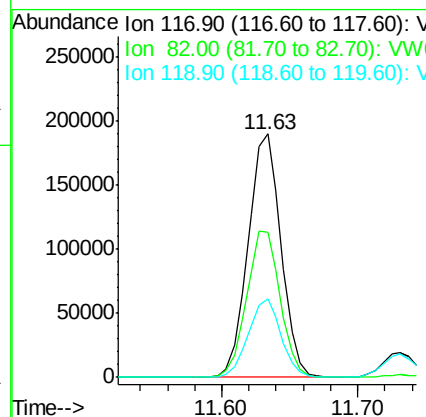
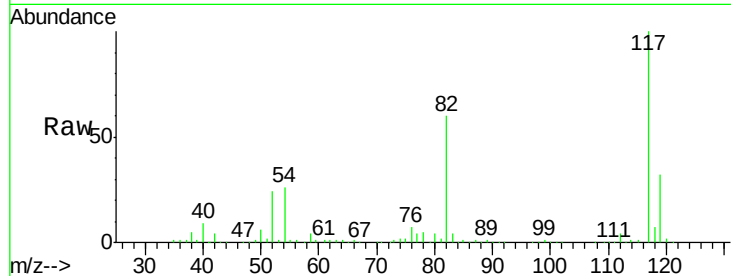
ClientSampled :

VW0808SBS01

Tot Ion:	117	Resp:	321015
Ion Ratio	Lower	Upper	
117	100		
82	59.6	47.9	71.9
119	32.1	26.2	39.2

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#64

Tetrachloroethene

Concen: 21.818 ug/l

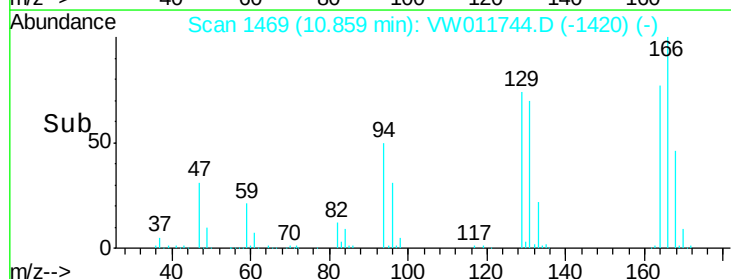
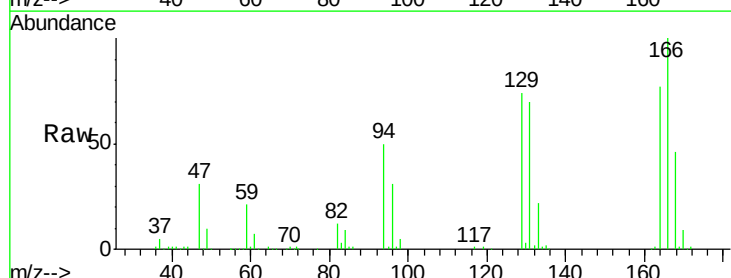
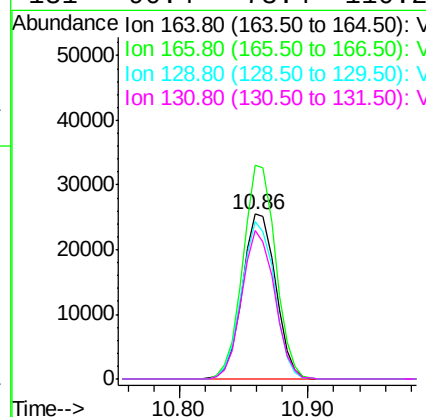
RT: 10.86 min Scan# 1469

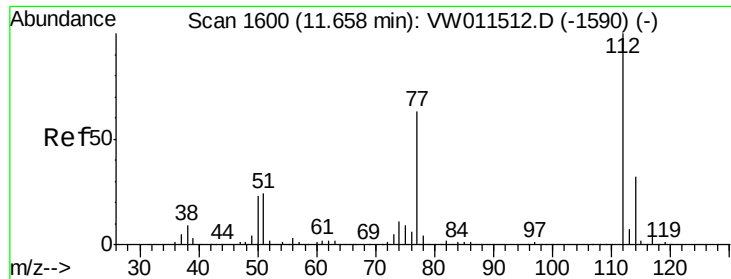
Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	164	Resp:	45604
Ion Ratio	Lower	Upper	
164	100		
166	129.7	103.5	155.3
129	95.9	75.2	112.8
131	90.4	73.4	110.2





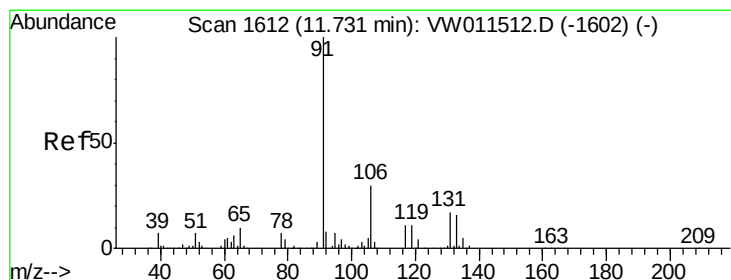
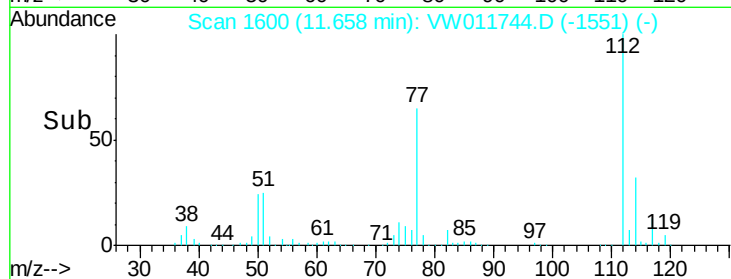
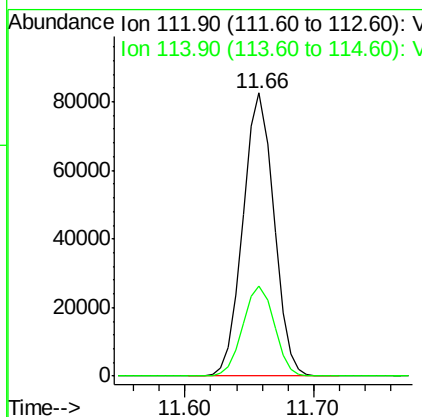
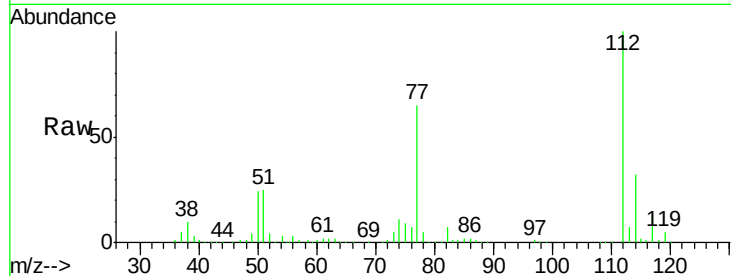
#65
Chlorobenzene
Concen: 21.259 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion:112 Resp: 137206
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

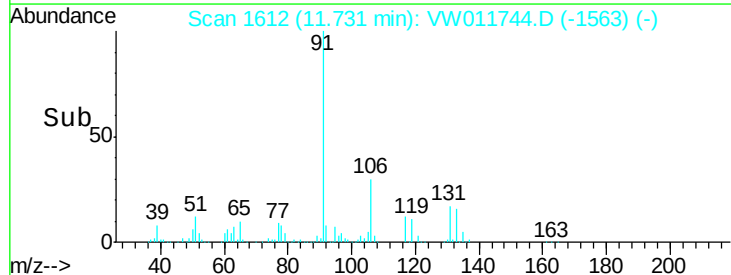
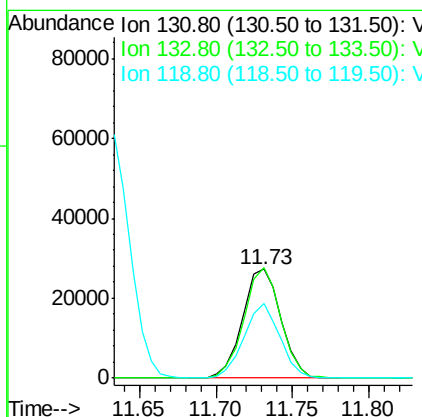
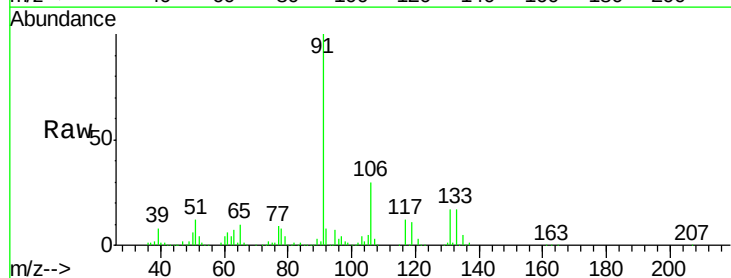
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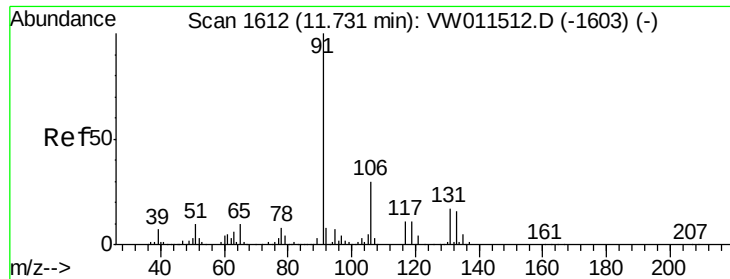
MMDadoda
8/8/2019 9:30:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.097 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion:131 Resp: 47427
Ion Ratio Lower Upper
131 100
133 97.2 47.4 142.2
119 64.5 32.3 96.9





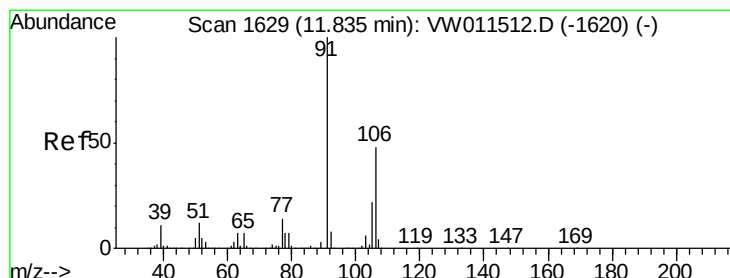
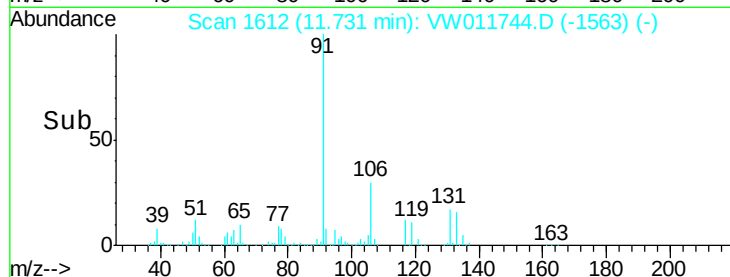
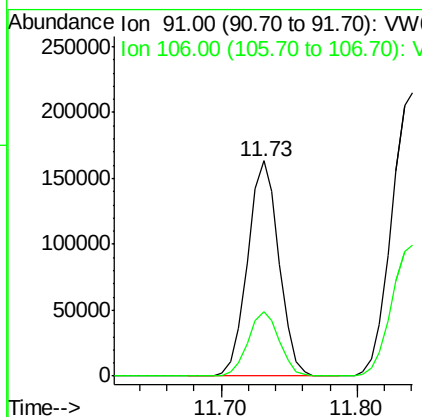
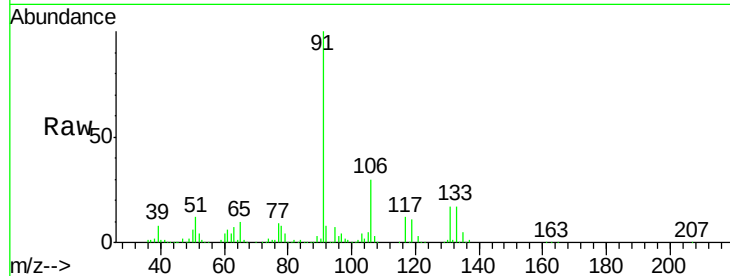
#67
Ethyl Benzene
Concen: 21.445 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.8	35.6

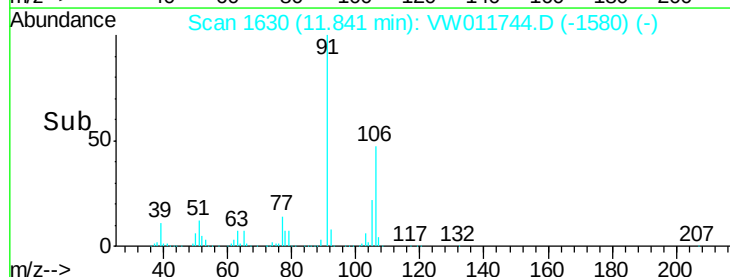
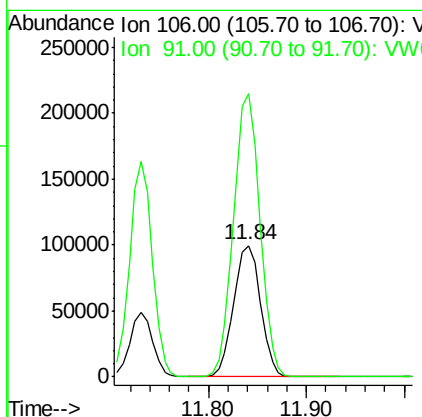
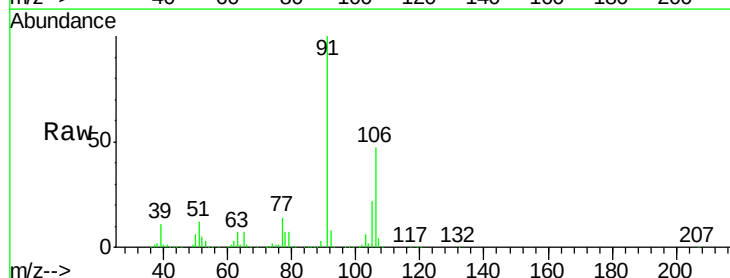
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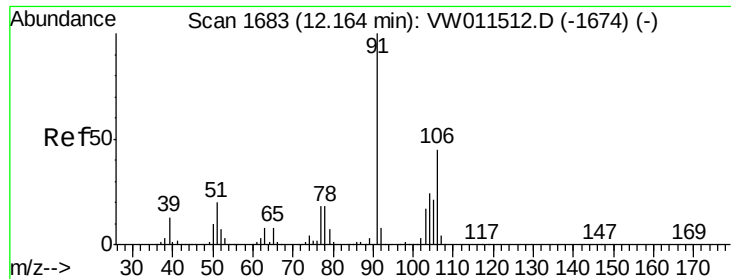
MMDadoda
8/8/2019 9:30:50 AM



#68
m/p-Xylenes
Concen: 42.810 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.8	168.2	252.2





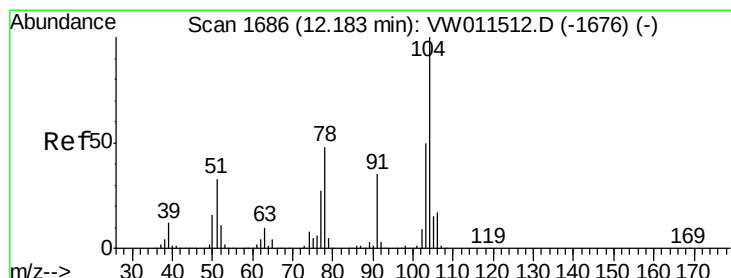
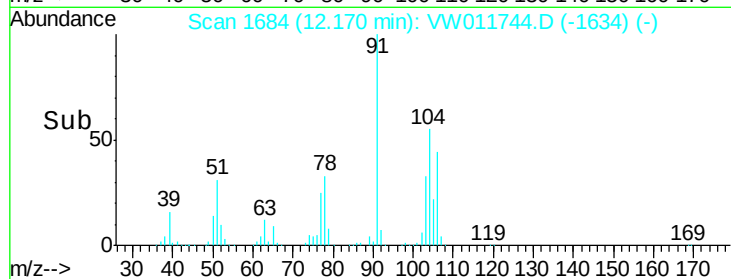
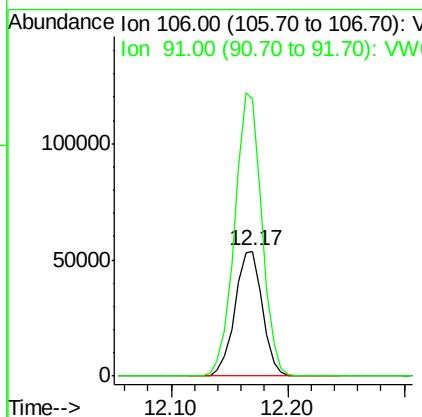
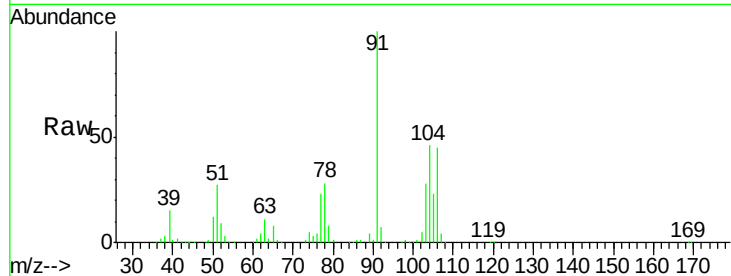
#69
o-Xylene
Concen: 21.308 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampled :
VW0808SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		88510		
91	223.1	110.5	331.5		

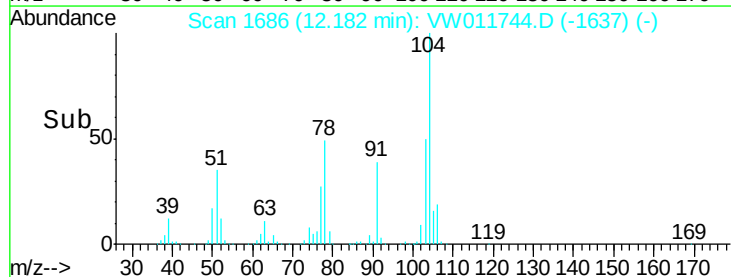
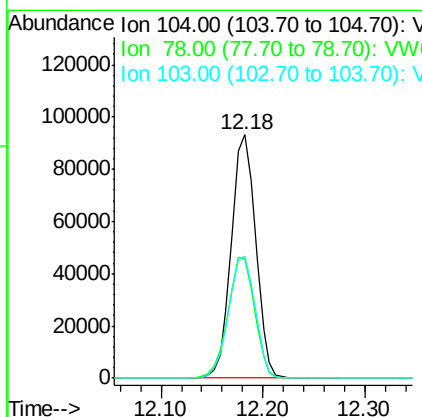
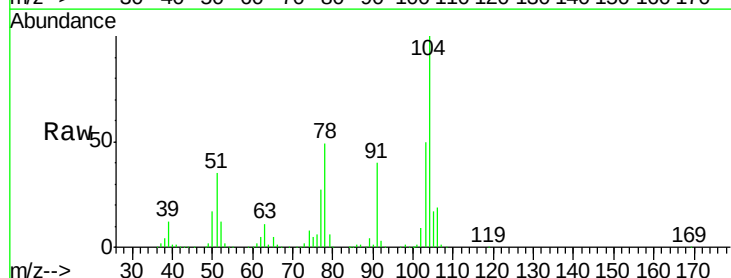
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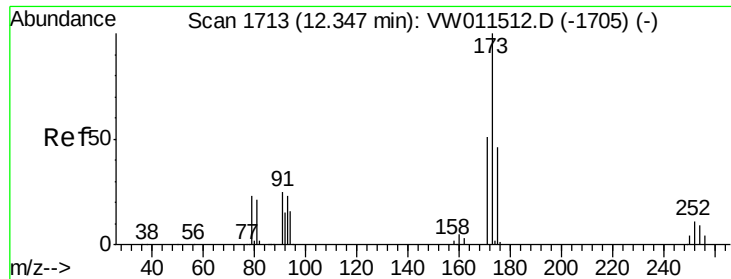
MMDadoda
8/8/2019 9:30:50 AM



#70
Styrene
Concen: 21.439 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		153980		
78	54.3	43.4	65.0		
103	54.6	43.9	65.9		





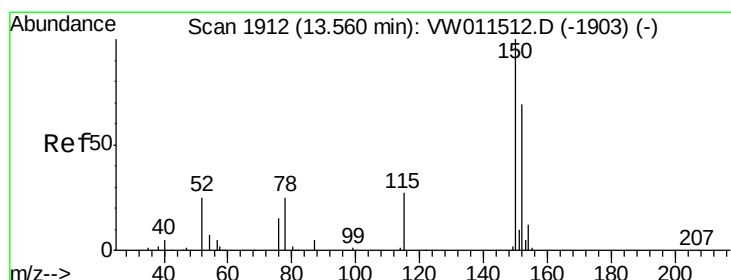
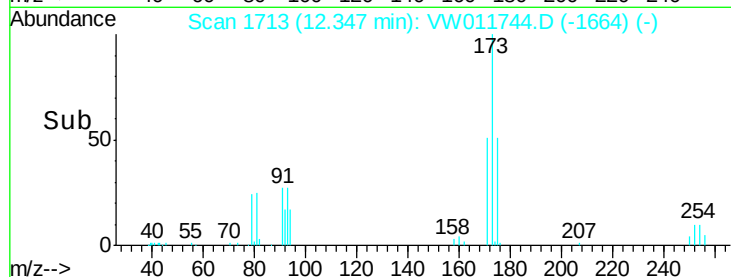
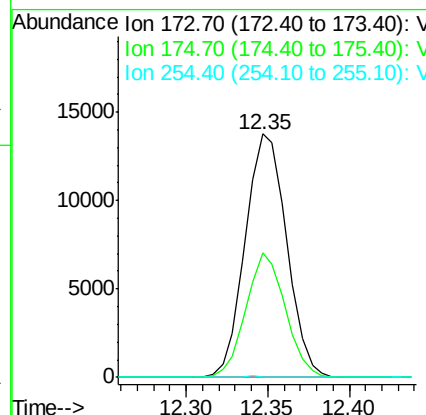
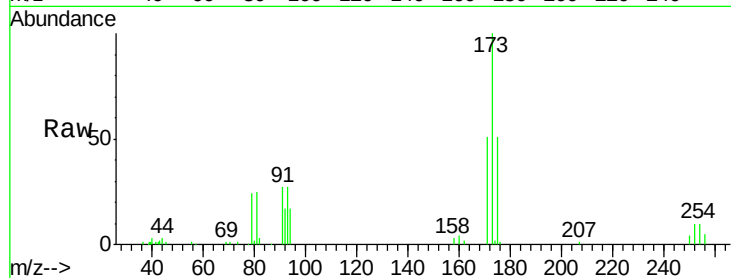
#71
Bromoform
Concen: 21.207 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.6	71.0
254	0.1	0.1	0.1

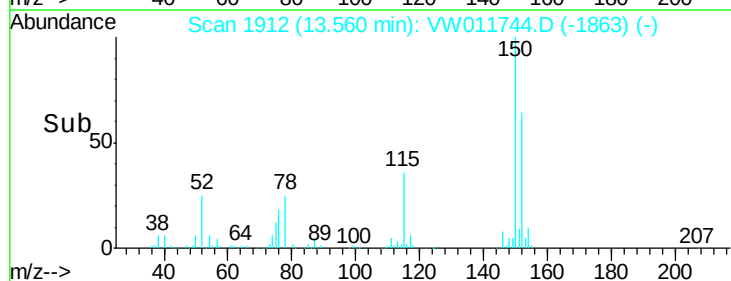
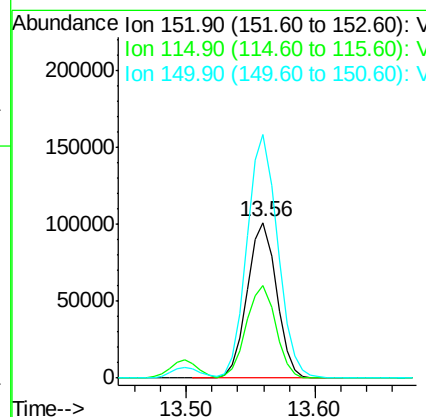
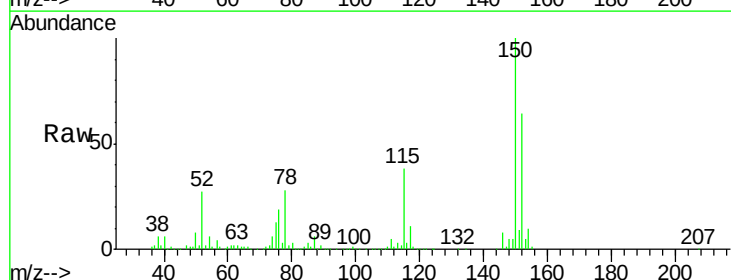
Manual Integrations
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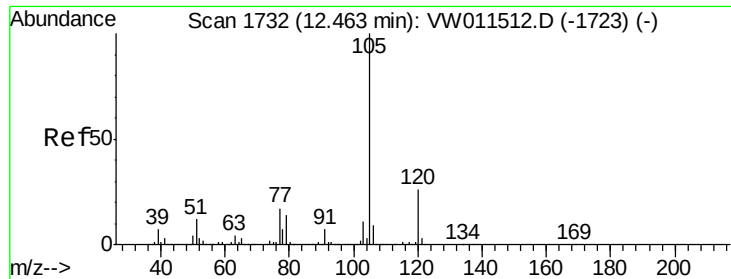
MMDadoda
8/8/2019 9:30:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.5	91.5
150	163.6	0.0	352.6





#73

Isopropylbenzene

Concen: 21.047 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampled :

VW0808SBS01

Tot Ion:105 Resp: 249179

Ion Ratio Lower Upper

105 100

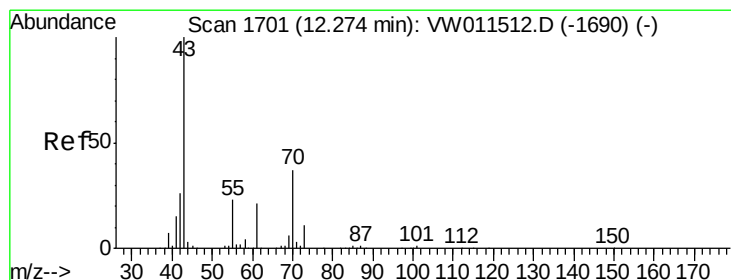
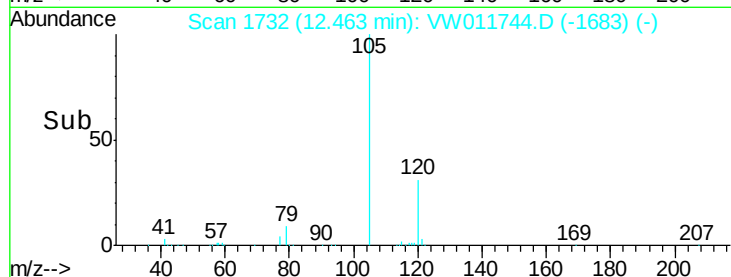
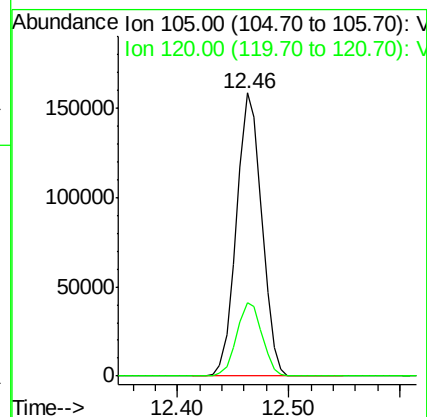
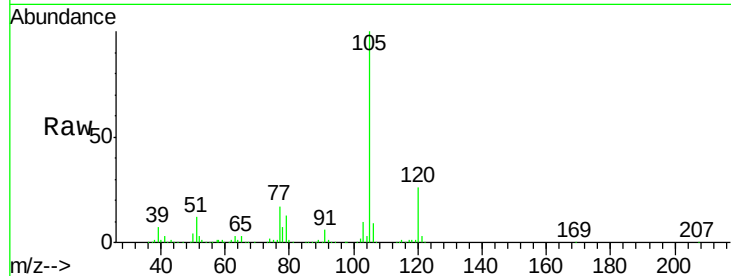
120 26.1 12.9 38.7

Manual Integrations

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8/8/2019 9:30:50 AM



#74

N-ethyl acetate

Concen: 20.423 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion: 43 Resp: 75700

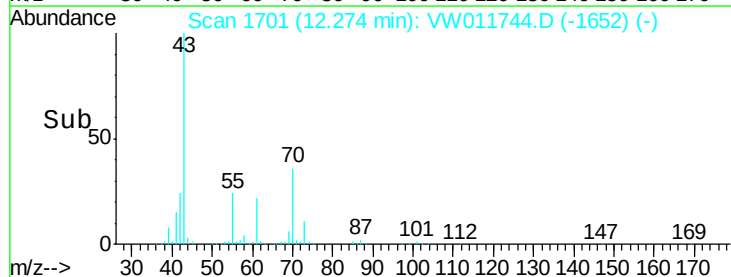
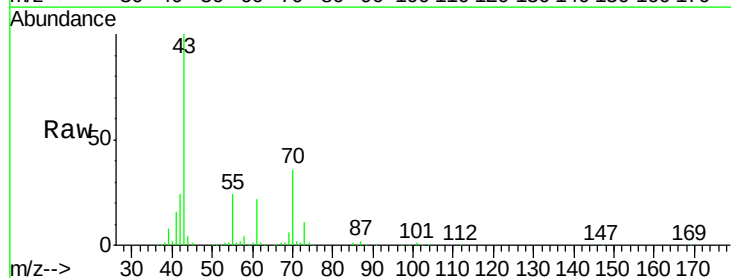
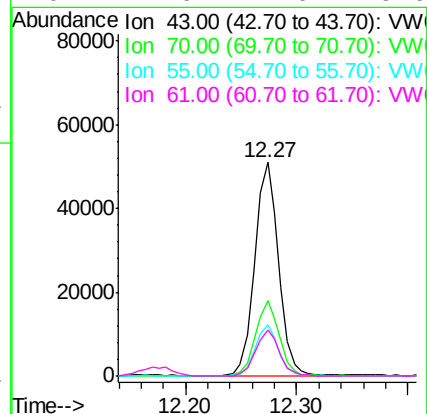
Ion Ratio Lower Upper

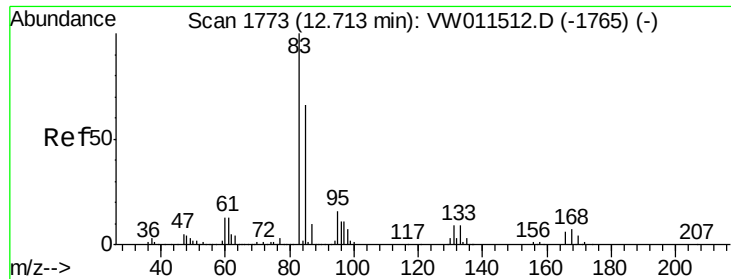
43 100

70 35.3 28.6 43.0

55 23.7 17.8 26.8

61 21.6 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.821 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

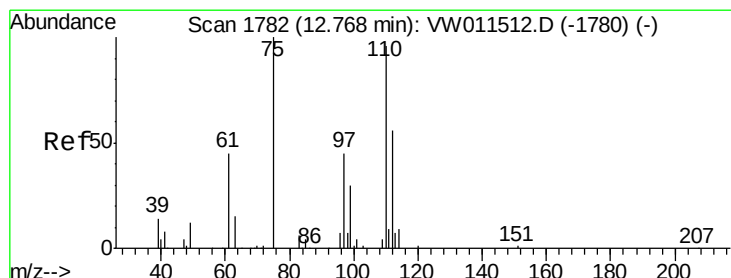
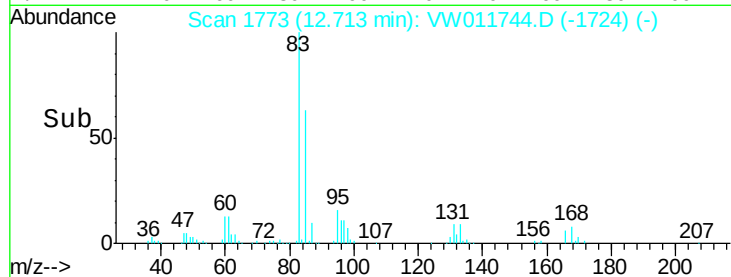
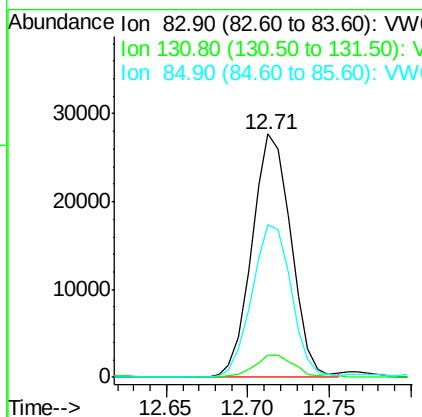
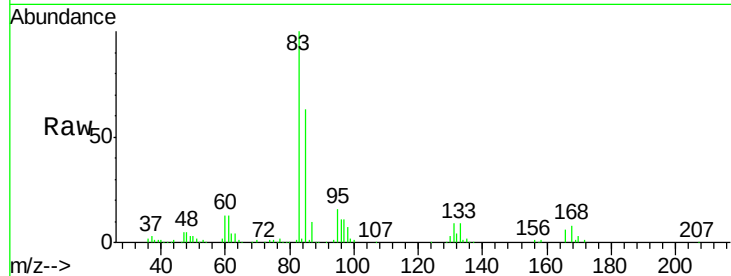
ClientSampleId :

VW0808SBSD01

Tot Ion:	83	Resp:	46367
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.4	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 19.922 ug/l m

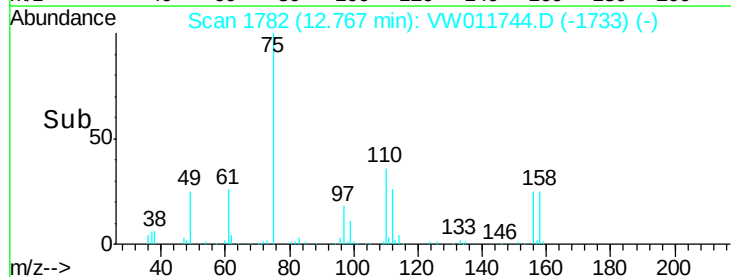
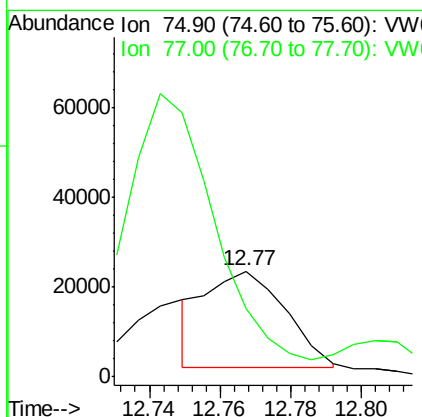
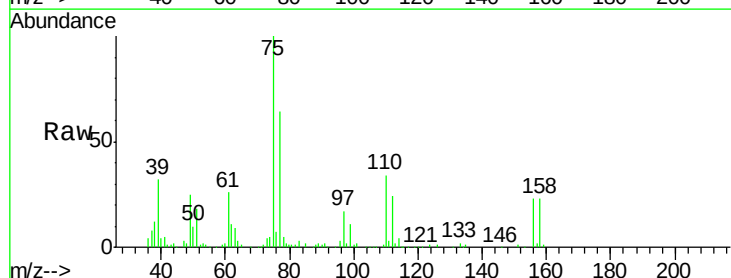
RT: 12.77 min Scan# 1782

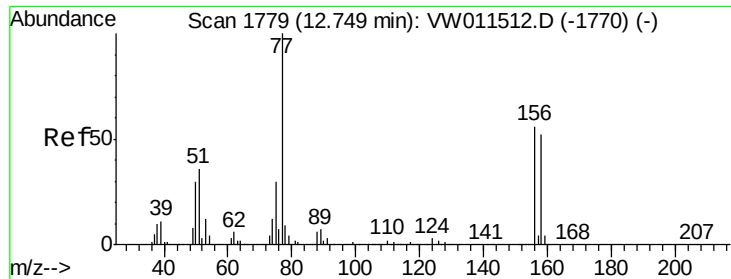
Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	75	Resp:	33454
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.135 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

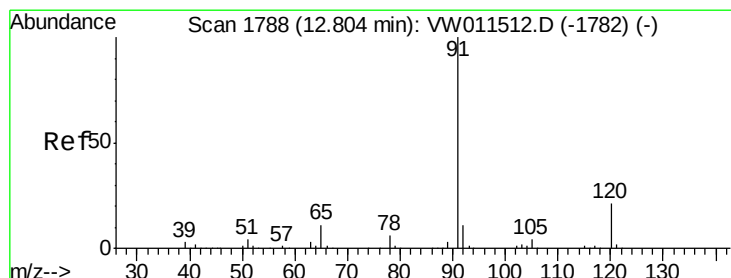
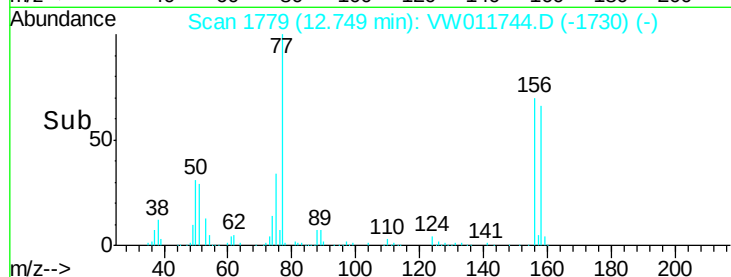
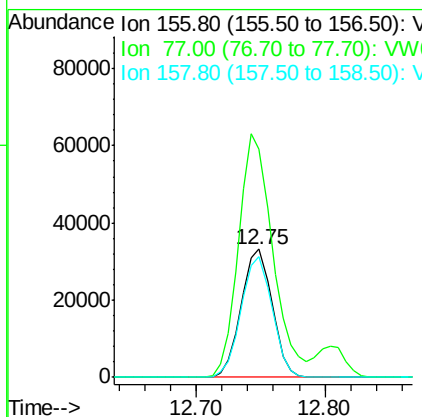
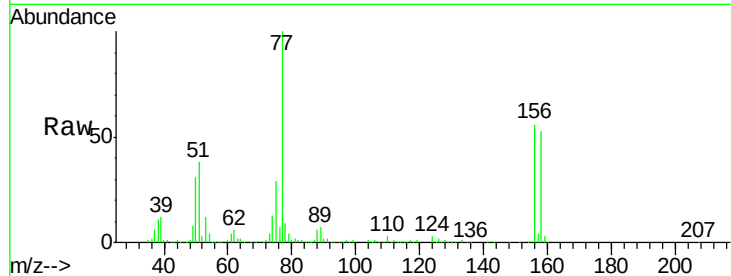
ClientSampleId :

VW0808SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	209.8	106.5	319.4	
158	94.5	48.0	144.2	

Manual Integrations
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8/8/2019 9:30:50 AM



#78

n-propylbenzene

Concen: 21.425 ug/l

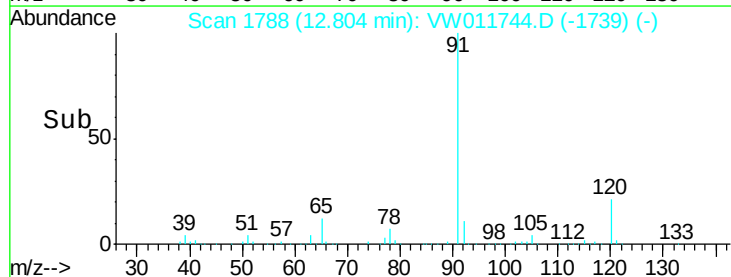
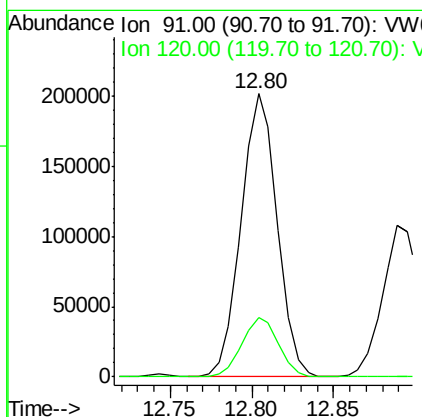
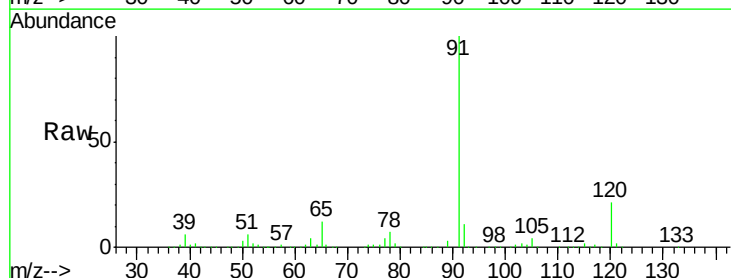
RT: 12.80 min Scan# 1788

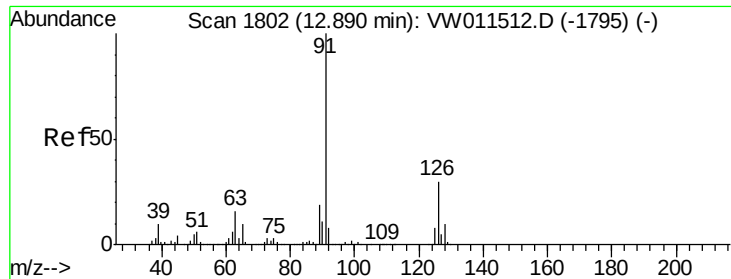
Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.9	32.7	





#79

2-Chlorotoluene

Concen: 21.202 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 91 Resp: 175996

Ion Ratio Lower Upper

91 100

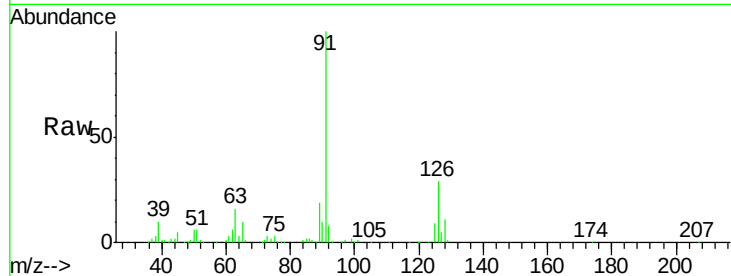
126 31.2 15.7 47.1

Manual Integrations

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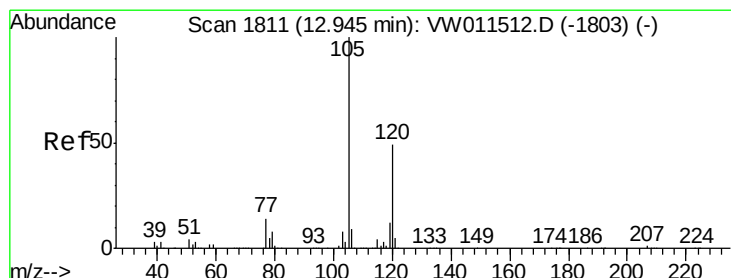
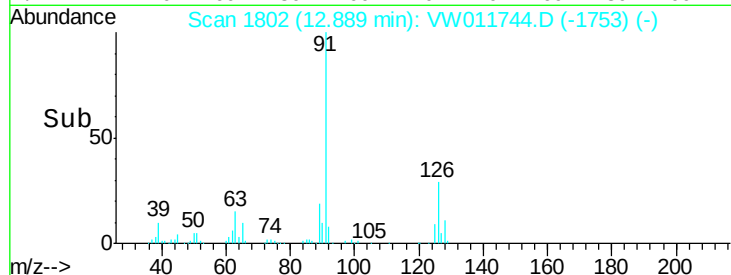
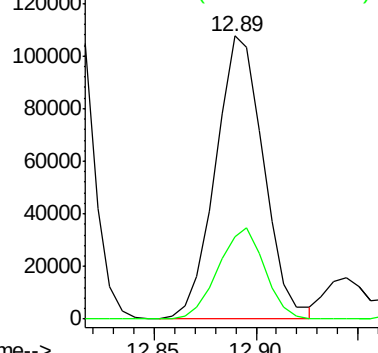
MMDadoda

8/8/2019 9:30:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.262 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011744.D

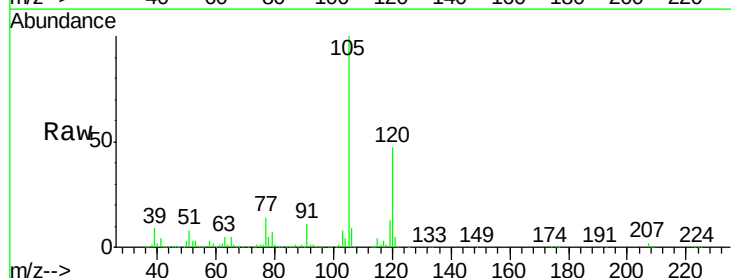
Acq: 07 Aug 2019 12:13

Tgt Ion: 105 Resp: 211012

Ion Ratio Lower Upper

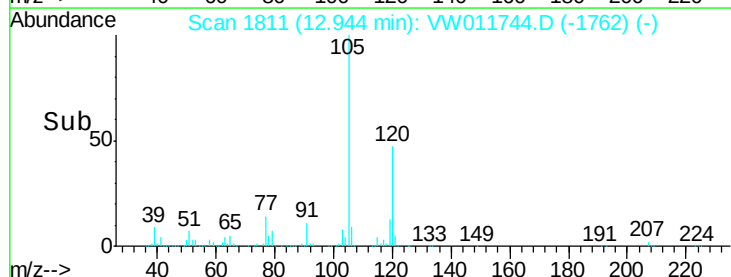
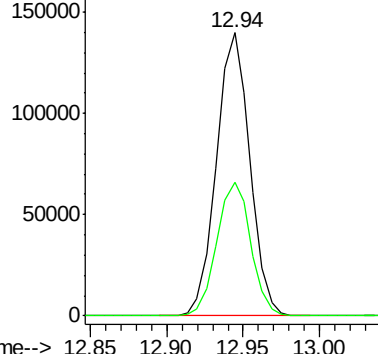
105 100

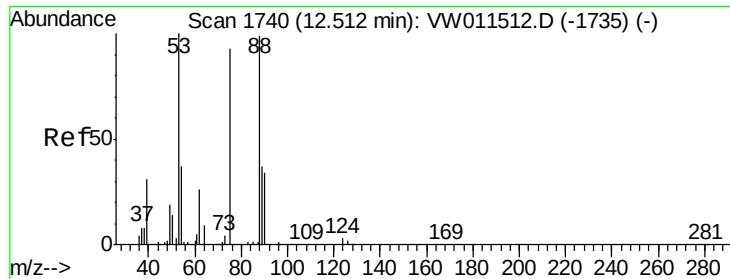
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





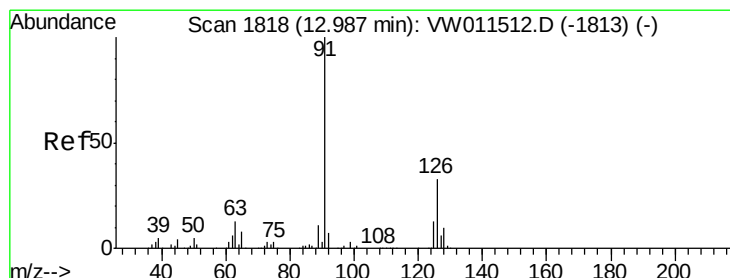
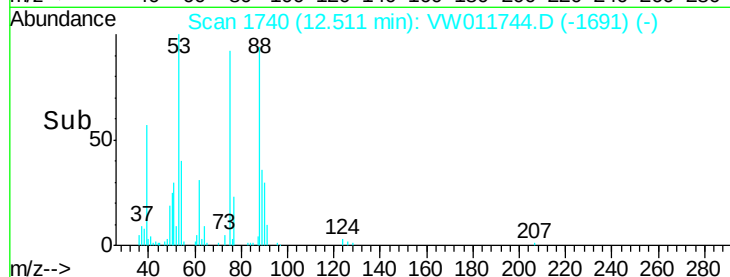
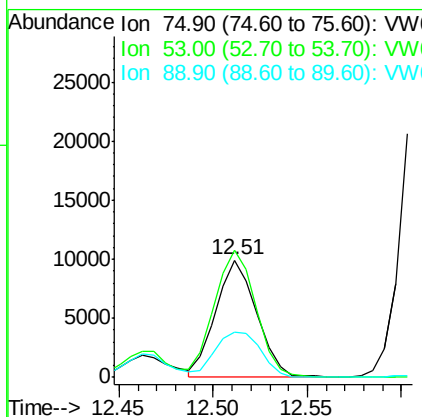
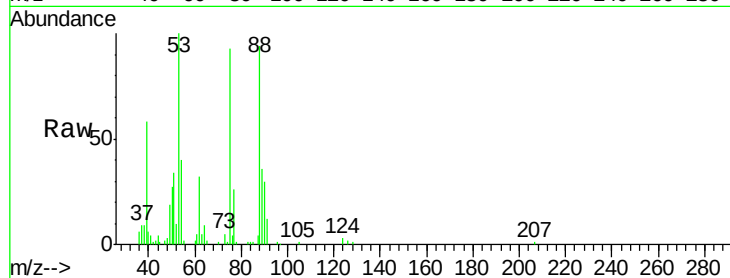
#81
trans-1,4-Dichloro-2-butene
Concen: 20.627 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampled :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.5	88.0	132.0
89	43.7	35.3	52.9

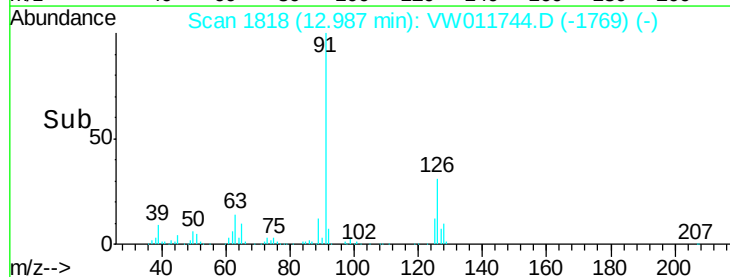
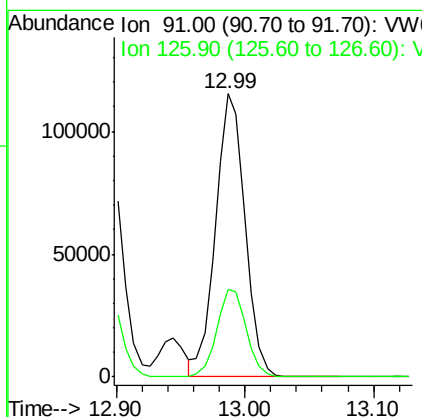
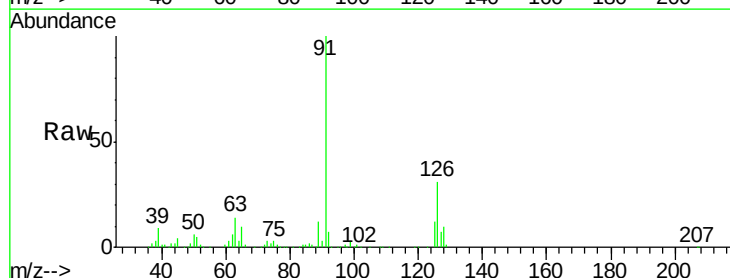
Manual Integrations
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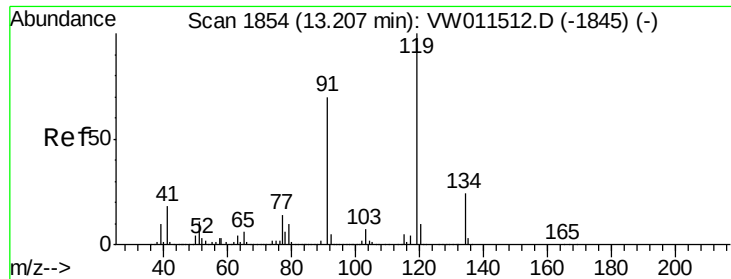
MMDadoda
8/8/2019 9:30:50 AM



#82
4-Chlorotoluene
Concen: 21.147 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





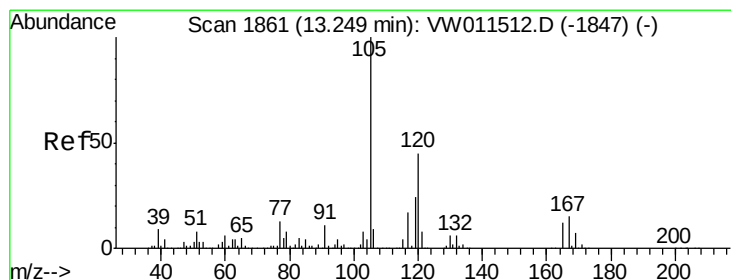
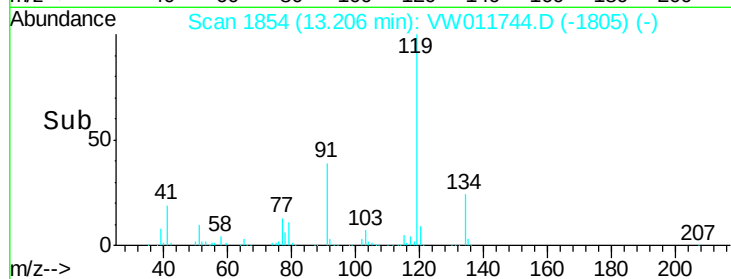
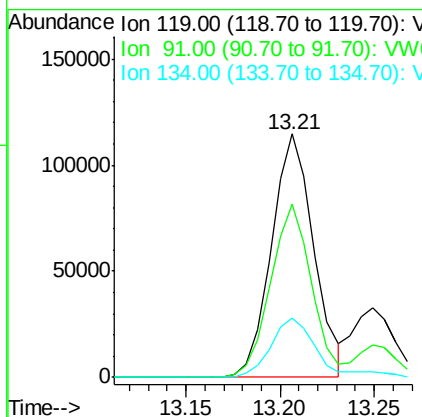
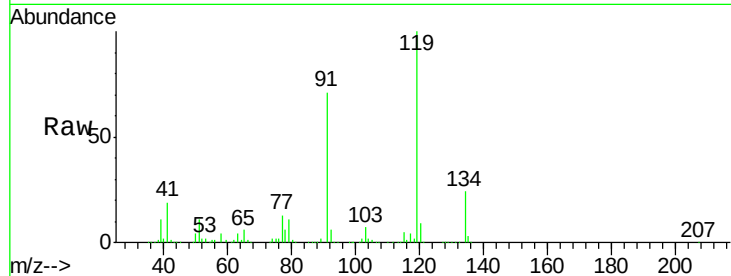
#83
 tert-Butylbenzene
 Concen: 21.436 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.5	103.6
134	26.8	12.4	37.4

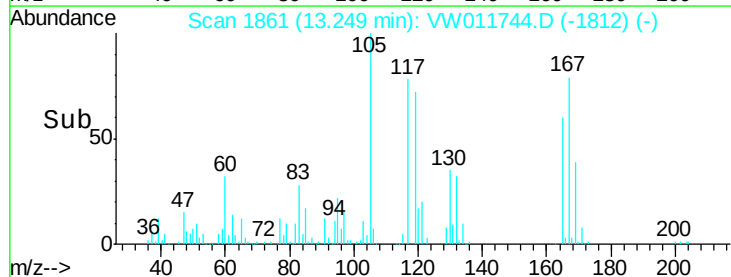
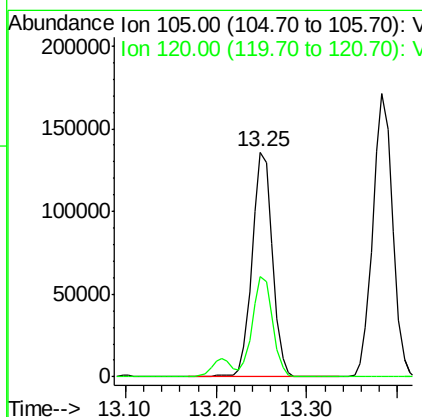
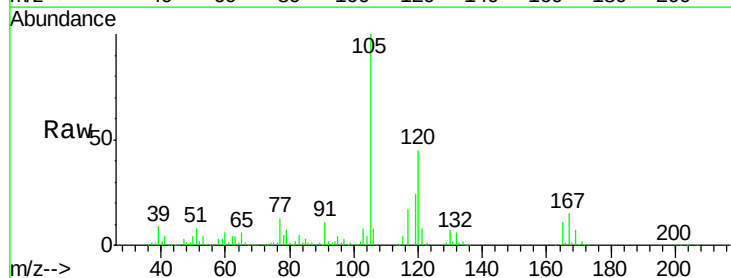
Manual Integrations
 APPROVED

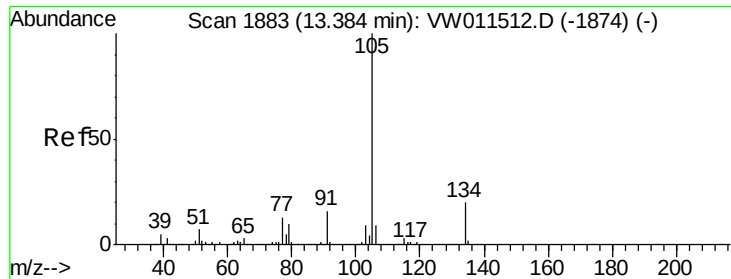
MMDadoda
 8/8/2019 9:30:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.100 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.817 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion:105 Resp: 258355

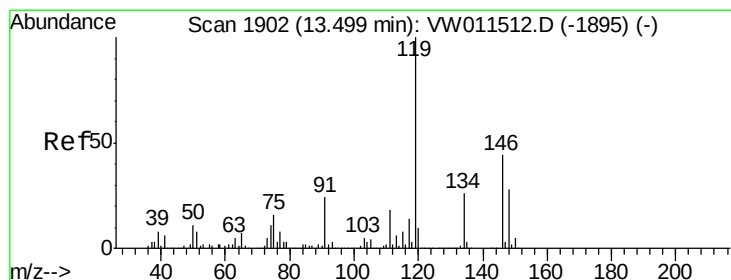
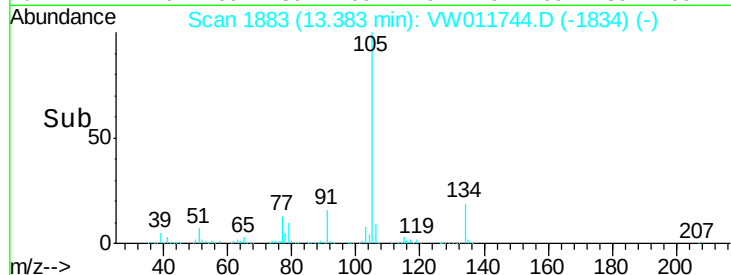
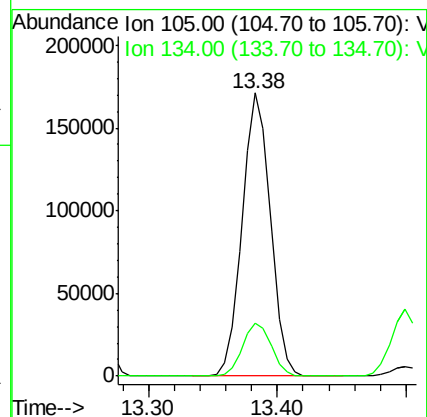
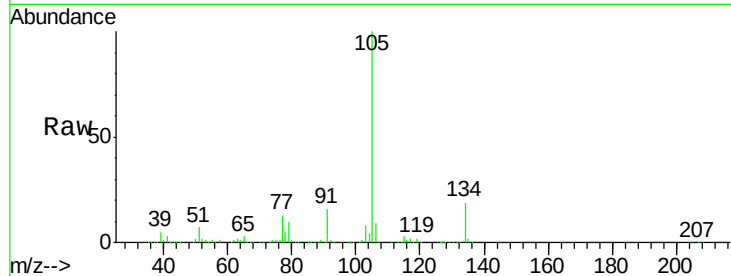
Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1

Manual Integrations
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MMDadoda
8/8/2019 9:30:50 AM



#86

p-Isopropyltoluene

Concen: 21.438 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

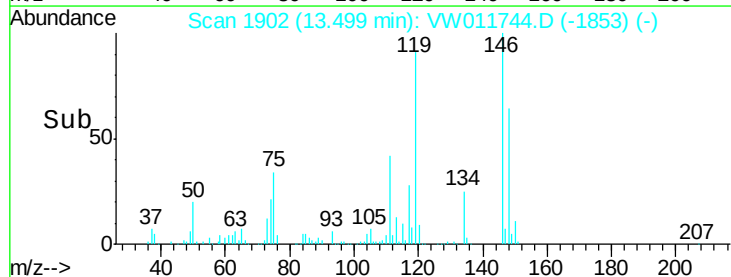
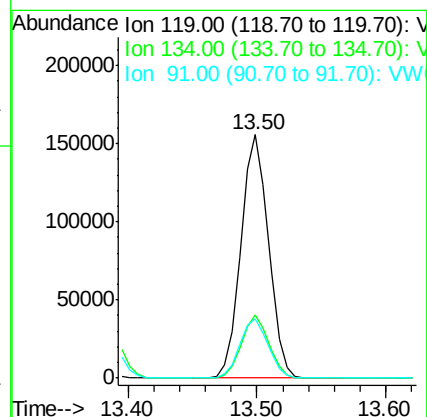
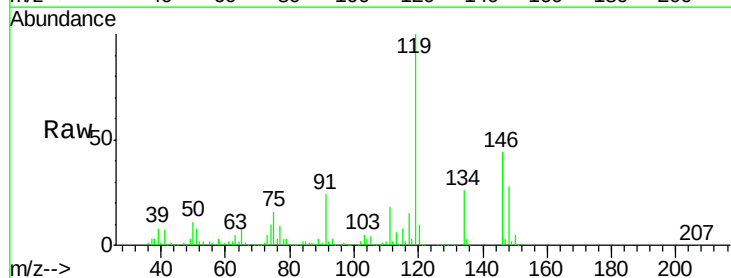
Tgt Ion:119 Resp: 230336

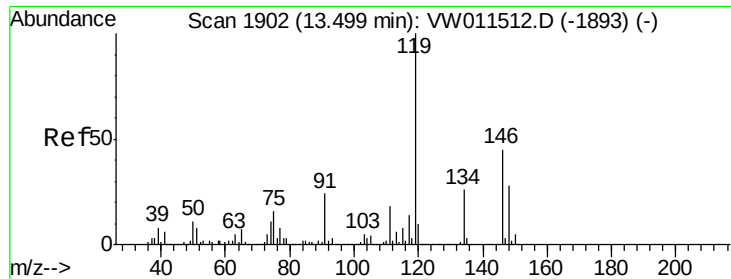
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.8 12.1 36.3





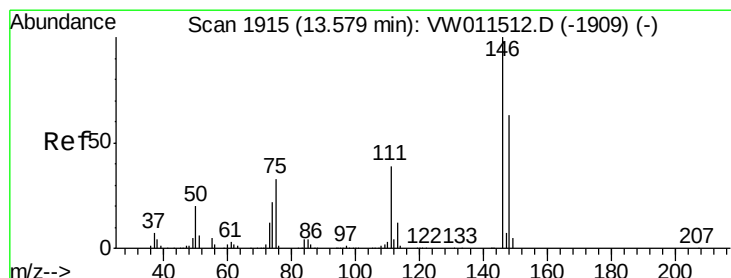
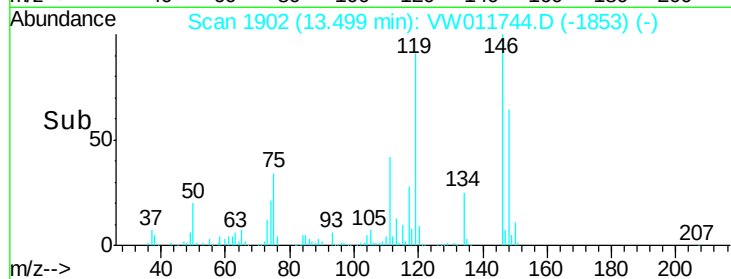
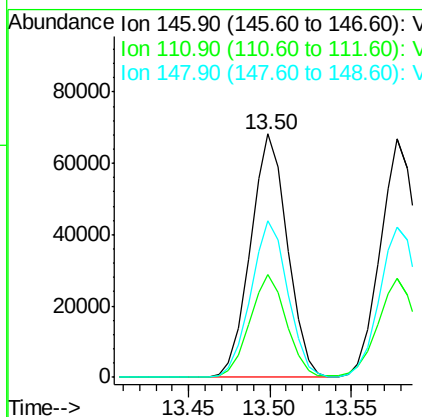
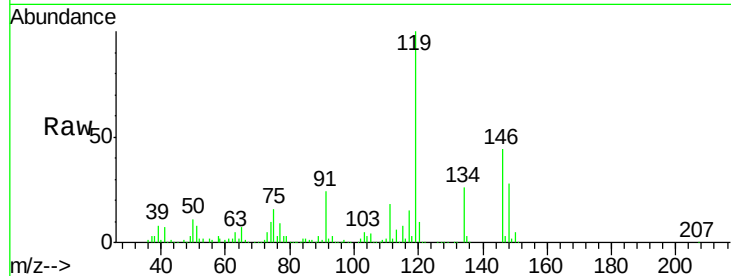
#87
 1,3-Dichlorobenzene
 Concen: 20.914 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	107309		
111	41.7	20.5	61.6	
148	64.4	31.8	95.3	

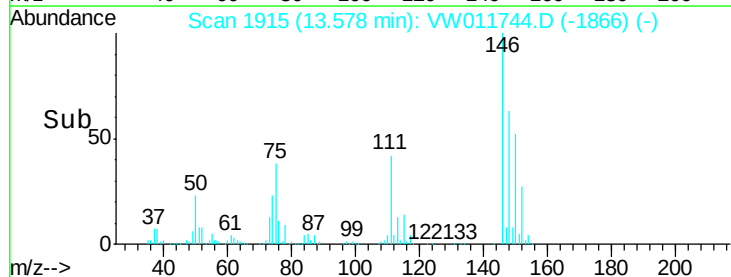
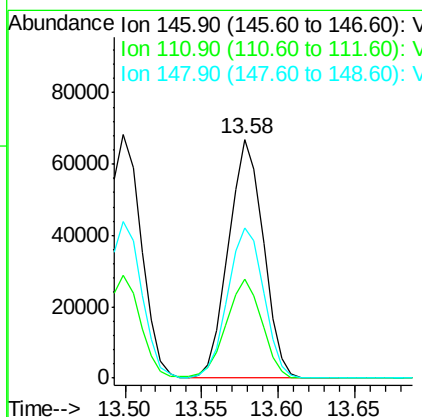
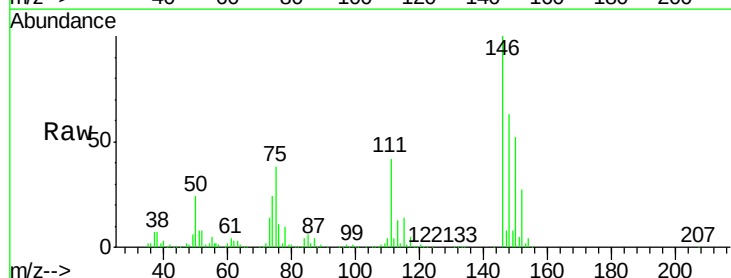
Manual Integrations
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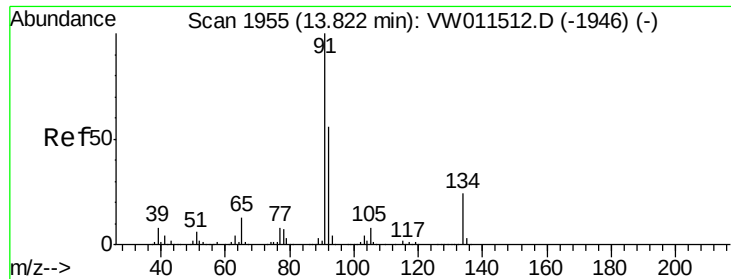
MMDadoda
 8/8/2019 9:30:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.804 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106185		
111	42.5	20.1	60.2	
148	64.9	31.9	95.9	





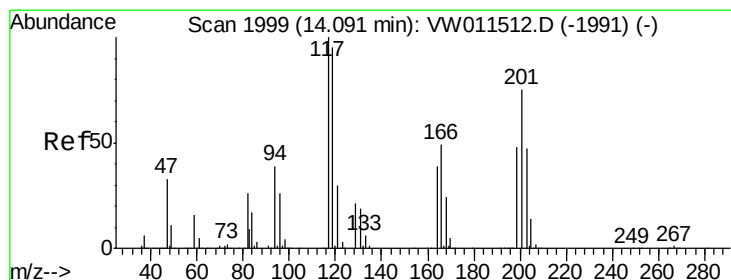
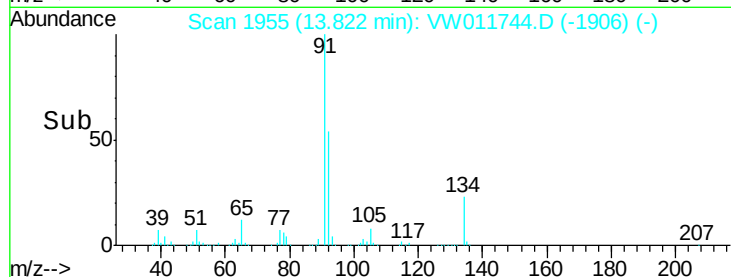
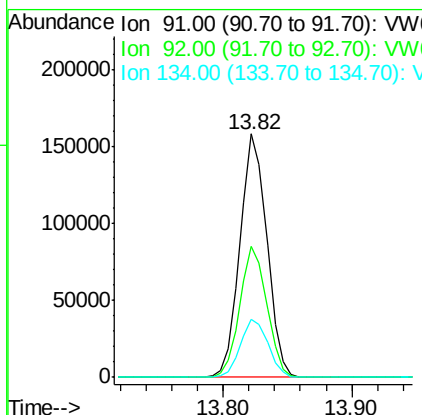
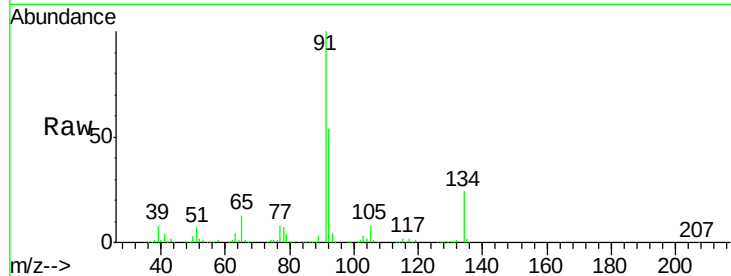
#89
n-Butylbenzene
Concen: 21.341 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	228825		
92	54.1		27.5	82.4
134	24.5		12.2	36.6

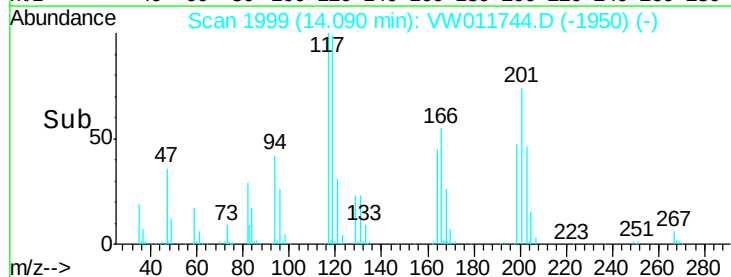
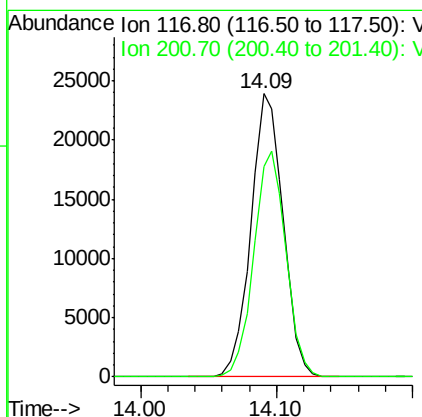
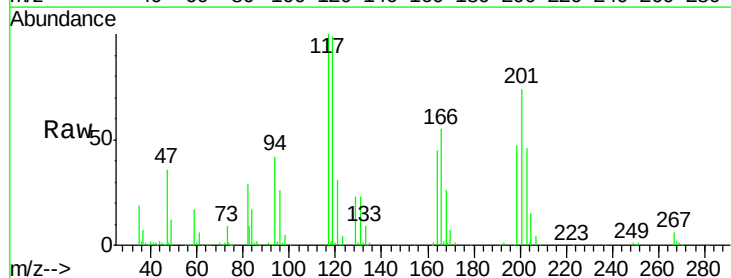
Manual Integrations
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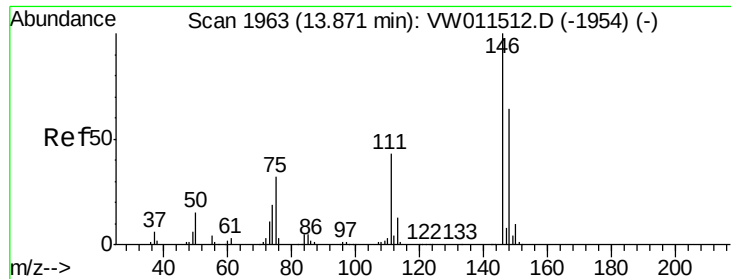
MMDadoda
8/8/2019 9:30:50 AM



#90
Hexachloroethane
Concen: 20.902 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011744.D
Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39712		
201	79.4		39.4	118.2





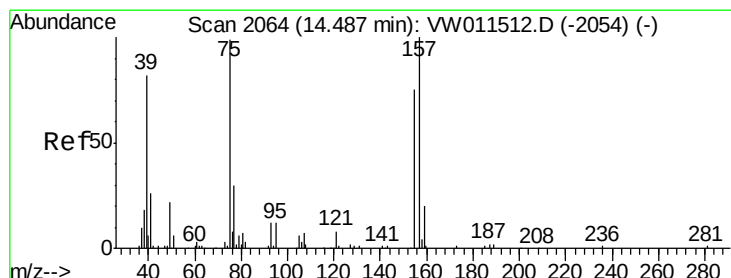
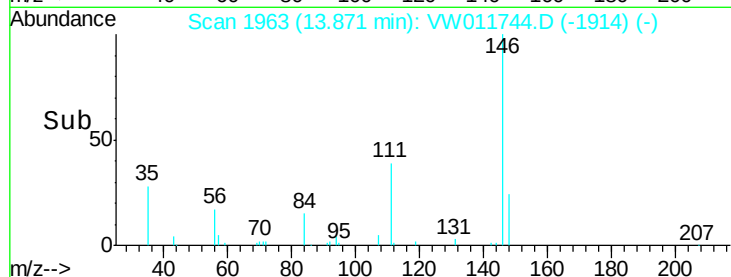
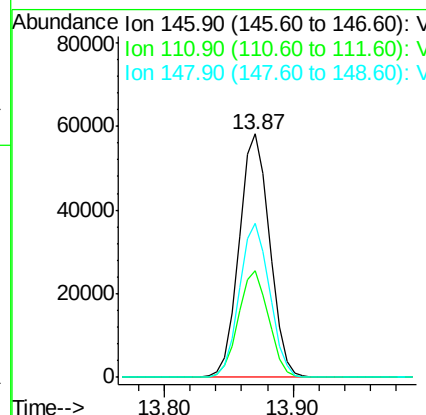
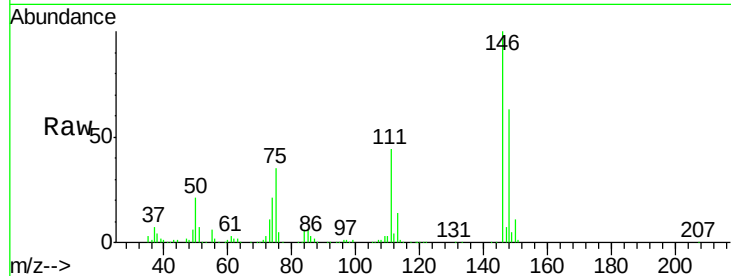
#91
 1,2-Dichlorobenzene
 Concen: 20.993 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	62.7	32.0	96.2

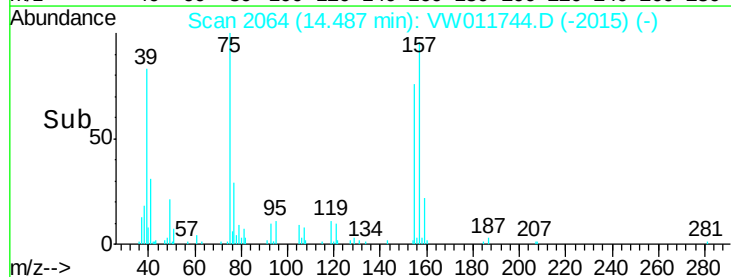
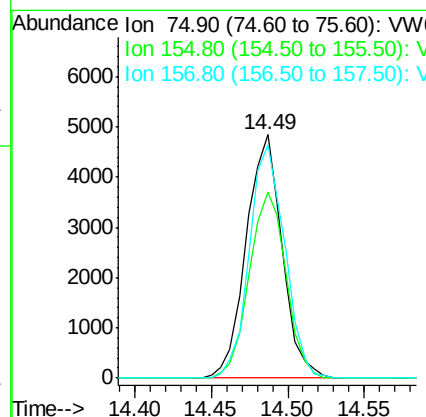
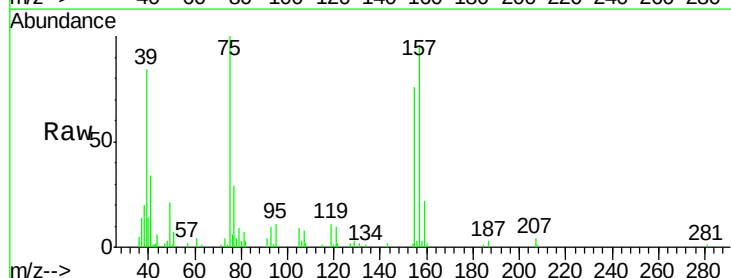
Manual Integrations
 APPROVED

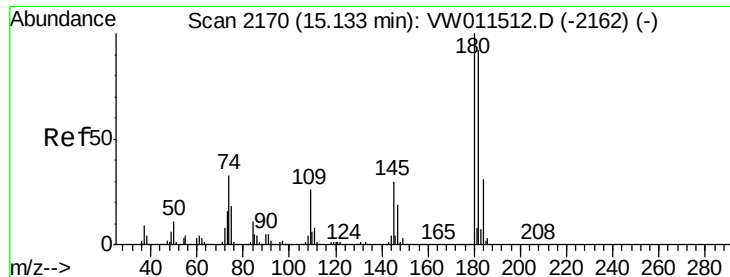
MMDadoda
 8/8/2019 9:30:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.800 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	38.2	114.6
157	94.6	48.9	146.7





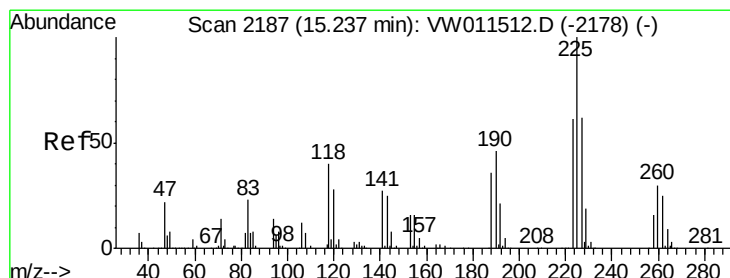
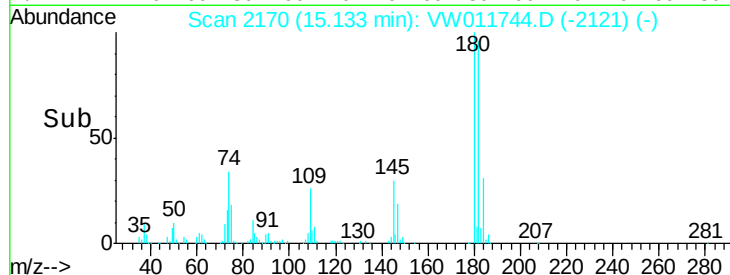
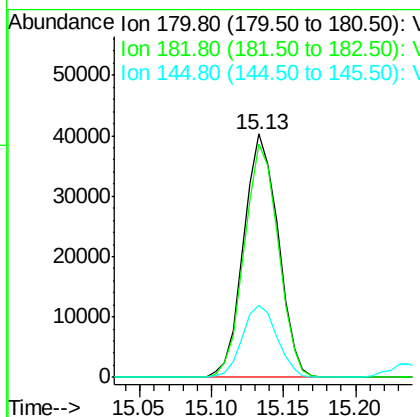
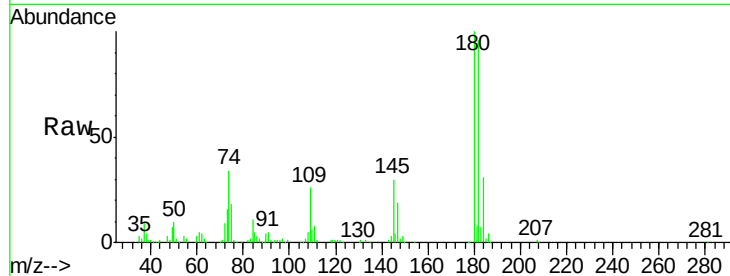
#93
 1,2,4-Trichlorobenzene
 Concen: 20.899 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.2
145	29.9	15.4	46.1

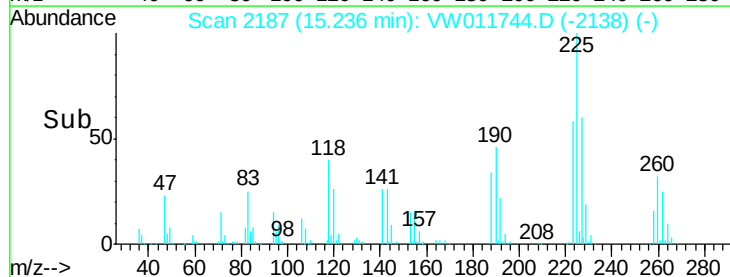
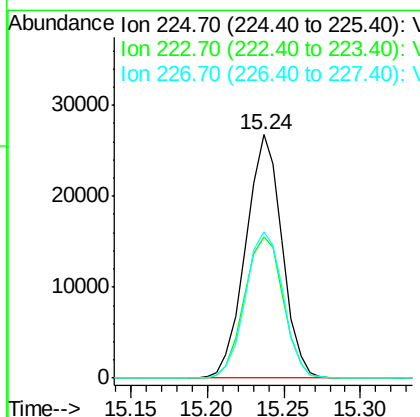
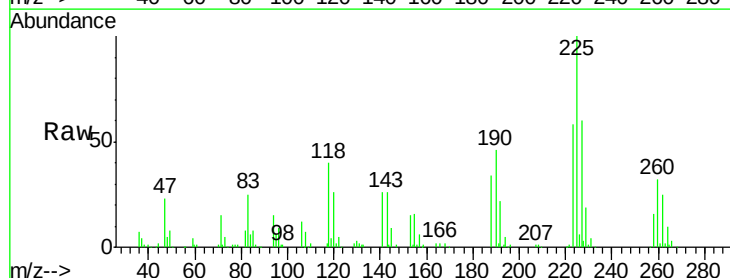
Manual Integrations
 APPROVED

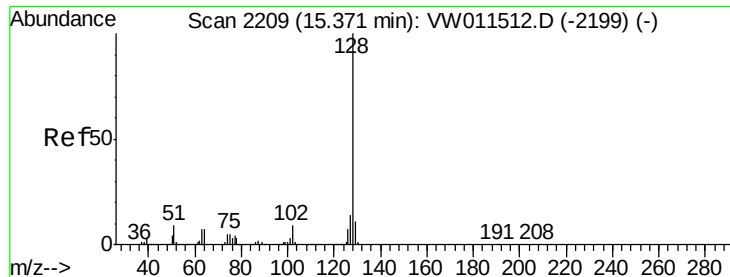
MMDadoda
 8/8/2019 9:30:50 AM



#94
 Hexachlorobutadiene
 Concen: 22.182 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011744.D
 Acq: 07 Aug 2019 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.8	92.3
227	62.5	31.6	94.7





#95

Naphthalene

Concen: 19.772 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Instrument :

MSVOA_W

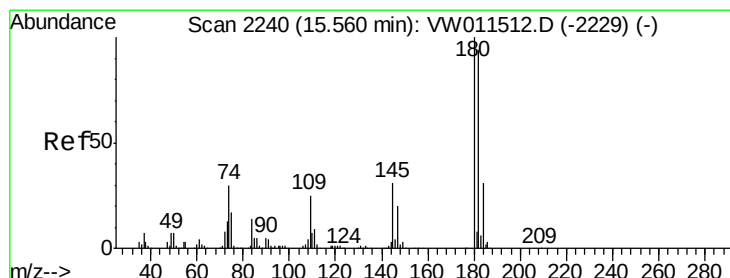
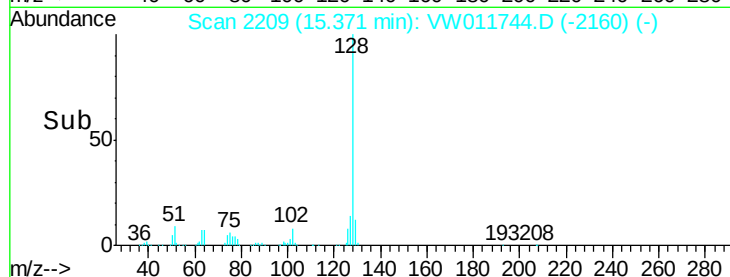
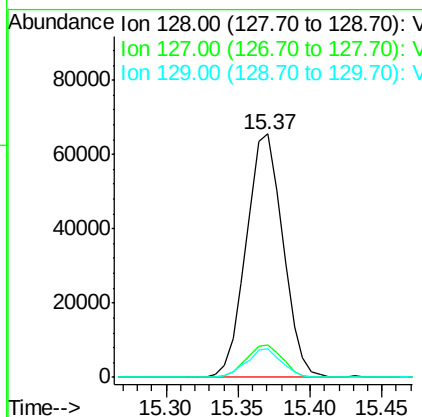
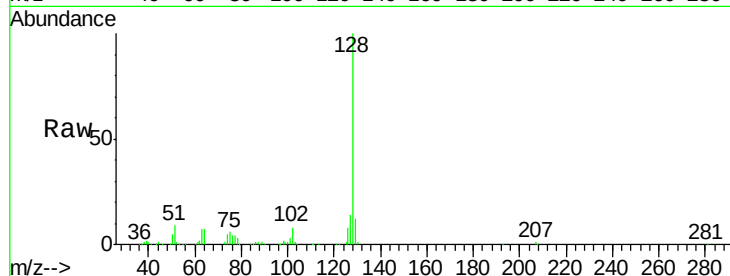
ClientSampleId :

VW0808SBSD01

Tot Ion:	128	Resp:	115714
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/8/2019 9:30:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.788 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011744.D

Acq: 07 Aug 2019 12:13

Tgt Ion:	180	Resp:	58279
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.4	142.2
145	31.3	15.9	47.7

