

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
 Data File : VW010650.D
 Acq On : 31 May 2019 21:53
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:44:34 AM

Quant Time: Jun 01 06:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	164502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	276591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	85577	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.88	113	90881	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	10.32	98	334950	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.62	95	131556	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64189	43.764	ug/l	98
3) Chloromethane	2.21	50	70661	40.883	ug/l	100
4) Vinyl Chloride	2.35	62	80221	40.070	ug/l	99
5) Bromomethane	2.75	94	59081	42.897	ug/l	93
6) Chloroethane	2.90	64	57406	44.668	ug/l	99
7) Trichlorofluoromethane	3.25	101	145761	49.315	ug/l	98
8) Diethyl Ether	3.68	74	49382	52.706	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	90470	49.702	ug/l	95
10) Methyl Iodide	4.26	142	98973	47.571	ug/l	97
11) Tert butyl alcohol	5.17	59	40012	261.981	ug/l	98
12) 1,1-Dichloroethene	4.03	96	86370	49.707	ug/l	97
13) Acrolein	3.89	56	20898	233.339	ug/l	96
14) Allyl chloride	4.67	41	119915	47.677	ug/l	99
15) Acrylonitrile	5.37	53	99454	253.457	ug/l	98
16) Acetone	4.12	43	79598	229.662	ug/l	96
17) Carbon Disulfide	4.37	76	221241	42.688	ug/l	99
18) Methyl Acetate	4.67	43	45949	54.207	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	236840	53.467	ug/l	99
20) Methylene Chloride	4.91	84	94322	45.973	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	102313	51.335	ug/l	96
22) Diisopropyl ether	6.31	45	260371	50.487	ug/l	97
23) Vinyl Acetate	6.26	43	759760	246.626	ug/l	99
24) 1,1-Dichloroethane	6.21	63	160897	52.280	ug/l	99
25) 2-Butanone	7.17	43	129592	261.275	ug/l	100
26) 2,2-Dichloropropane	7.17	77	136356	46.513	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	115847	53.465	ug/l	96
28) Bromochloromethane	7.51	49	60555	54.956	ug/l	90
29) Tetrahydrofuran	7.52	42	84069	250.481	ug/l	98
30) Chloroform	7.67	83	177446	53.454	ug/l	99
31) Cyclohexane	7.95	56	139515	43.277	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	160326	50.531	ug/l	98
36) 1,1-Dichloropropene	8.08	75	129968	50.442	ug/l	98
37) Ethyl Acetate	7.25	43	56708	51.756	ug/l	97
38) Carbon Tetrachloride	8.07	117	142679	51.333	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170425	49.370	ug/l	98
40) Benzene	8.32	78	382949	53.473	ug/l	99
41) Methacrylonitrile	7.48	41	32404	49.774	ug/l	96
42) 1,2-Dichloroethane	8.40	62	110639	54.054	ug/l	99
43) Isopropyl Acetate	8.42	43	112289	51.298	ug/l	99
44) Trichloroethene	9.09	130	118101	55.549	ug/l	98
45) 1,2-Dichloropropane	9.37	63	92246	54.236	ug/l	98
46) Dibromomethane	9.46	93	54908	55.202	ug/l	93
47) Bromodichloromethane	9.65	83	134100	53.648	ug/l	99
48) Methyl methacrylate	9.43	41	50279	50.208	ug/l	95
49) 1,4-Dioxane	9.45	88	17495	1076.697	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	295370	266.294	ug/l	99
52) Toluene	10.39	92	260090	54.079	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	130525	51.559	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	152269	52.667	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	81562	57.022	ug/l	96
56) Ethyl methacrylate	10.65	69	104871	53.161	ug/l	98
57) 1,3-Dichloropropane	10.93	76	133011	55.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	243115	278.236	ug/l	97
59) 2-Hexanone	10.97	43	204108	257.961	ug/l	98
60) Dibromochloromethane	11.13	129	101374	55.999	ug/l	99
61) 1,2-Dibromoethane	11.24	107	81891	56.518	ug/l	98
64) Tetrachloroethene	10.87	164	108237	62.866	ug/l	94
65) Chlorobenzene	11.66	112	292836	55.632	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	106371	56.412	ug/l	99
67) Ethyl Benzene	11.73	91	493418	53.093	ug/l	98
68) m/p-Xylenes	11.84	106	390308	107.075	ug/l	98
69) o-Xylene	12.16	106	187139	54.186	ug/l	98
70) Styrene	12.18	104	321330	54.836	ug/l	98
71) Bromoform	12.35	173	57816	55.679	ug/l	# 99
73) Isopropylbenzene	12.47	105	498692	50.038	ug/l	100
74) N-amyl acetate	12.27	43	108106	47.336	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	92369	50.956	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62069m	48.687	ug/l	
77) Bromobenzene	12.75	156	125330	56.195	ug/l	94
78) n-propylbenzene	12.80	91	564863	48.635	ug/l	98
79) 2-Chlorotoluene	12.90	91	337245	50.070	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	423384	50.159	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	26328	43.101	ug/l	98
82) 4-Chlorotoluene	12.99	91	348702	49.878	ug/l	98
83) tert-Butylbenzene	13.21	119	383152	51.966	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	422766	50.289	ug/l	100
85) sec-Butylbenzene	13.38	105	508272	49.260	ug/l	99
86) p-Isopropyltoluene	13.50	119	465453	49.838	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	233611	53.389	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	238209	54.260	ug/l	99
89) n-Butylbenzene	13.83	91	428199	48.202	ug/l	99
90) Hexachloroethane	14.10	117	88639	49.034	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	218050	54.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16713	49.584	ug/l	97

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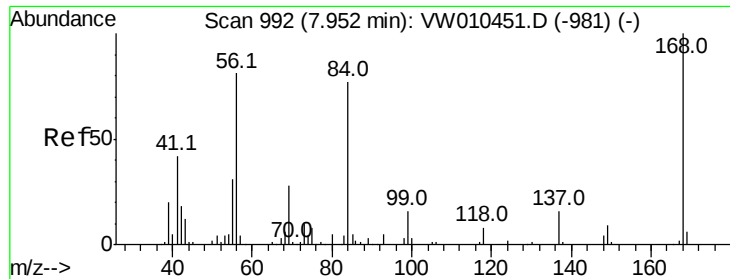
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	153855	56.718	ug/l	99
94) Hexachlorobutadiene	15.24	225	81888	56.507	ug/l	98
95) Naphthalene	15.37	128	314000	55.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	134408	57.584	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 164502

Ion Ratio Lower Upper

168 100

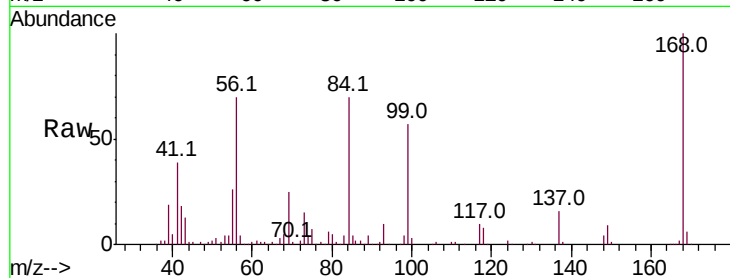
99 56.5 46.1 69.1

Manual Integrations

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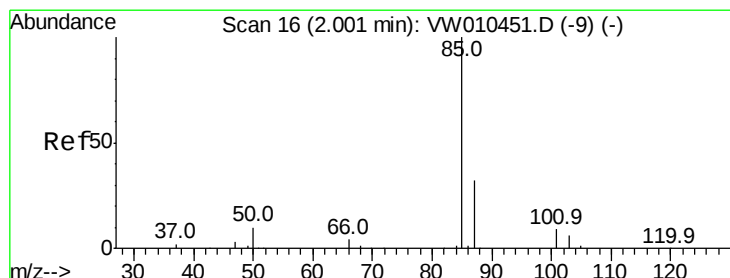
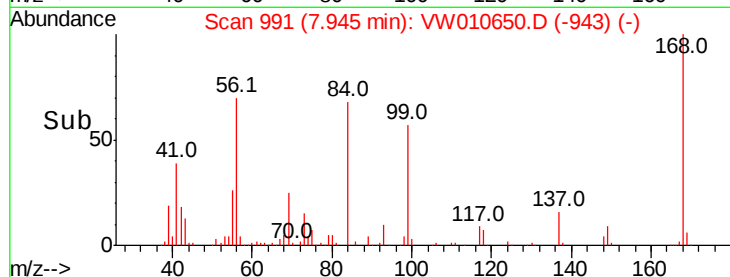
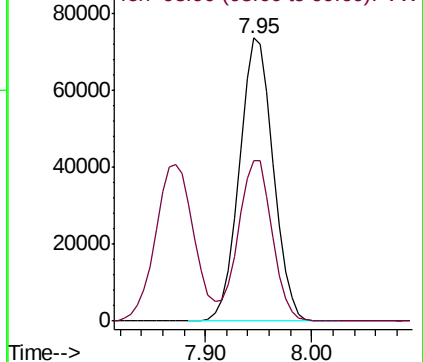
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.764 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010650.D

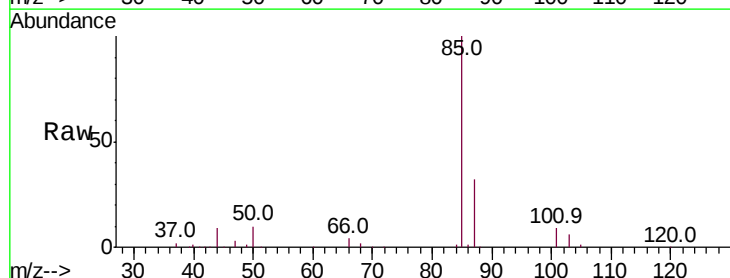
Acq: 31 May 2019 21:53

Tgt Ion: 85 Resp: 64189

Ion Ratio Lower Upper

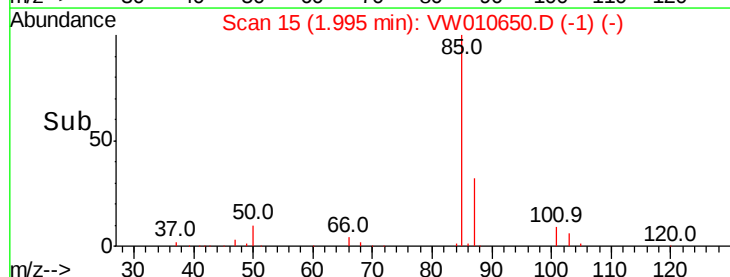
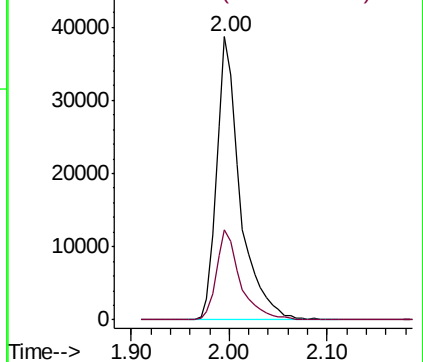
85 100

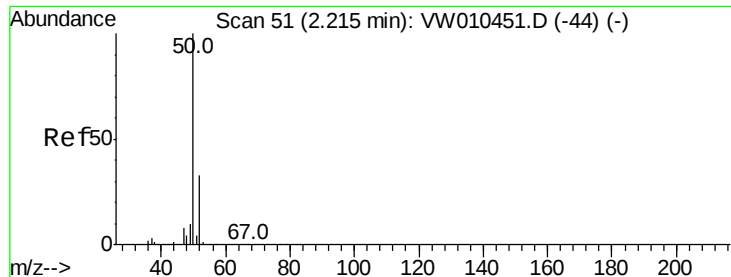
87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 40.883 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 70661

Ion Ratio Lower Upper

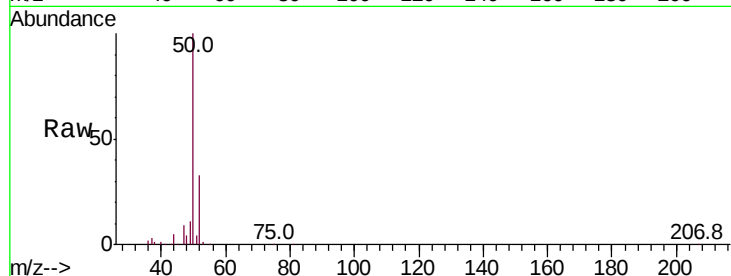
50 100

52 32.9 26.3 39.5

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

40000

30000

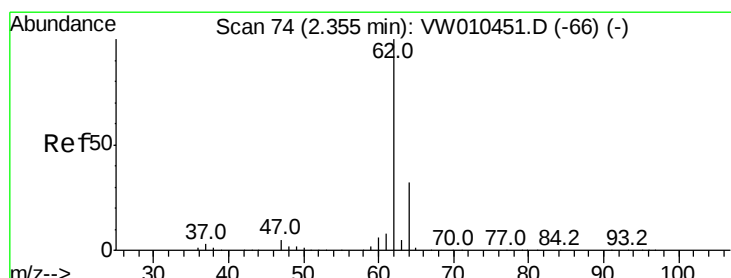
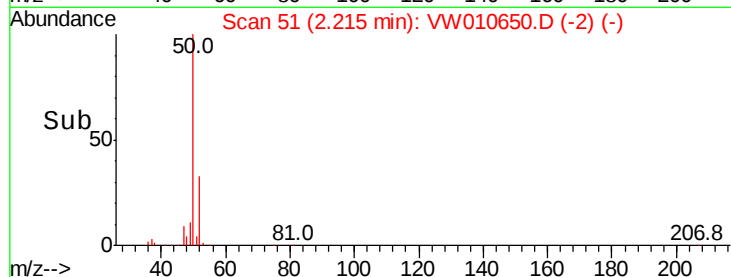
20000

10000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 40.070 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010650.D

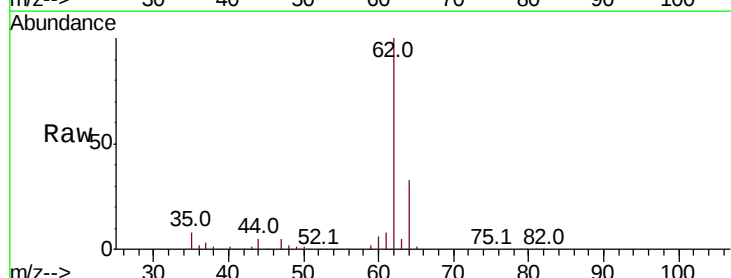
Acq: 31 May 2019 21:53

Tgt Ion: 62 Resp: 80221

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

50000

40000

30000

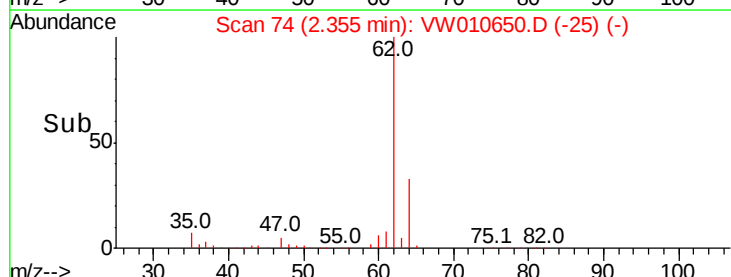
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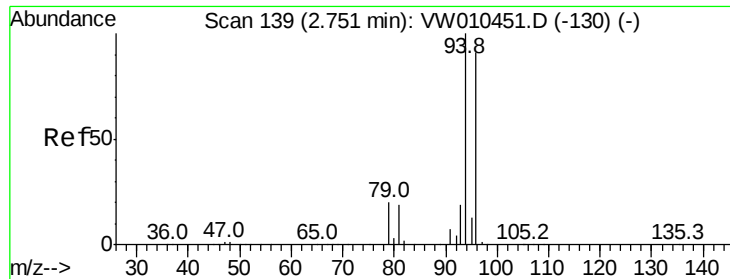
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Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 42.897 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 59081

Ion Ratio Lower Upper

94 100

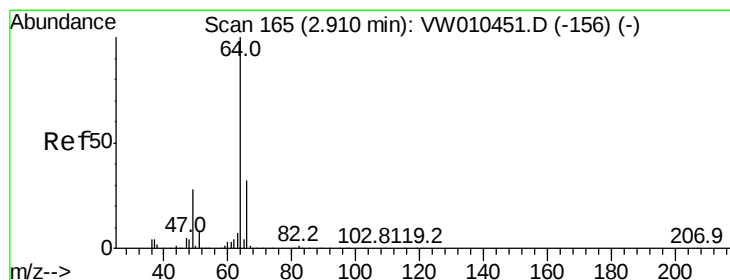
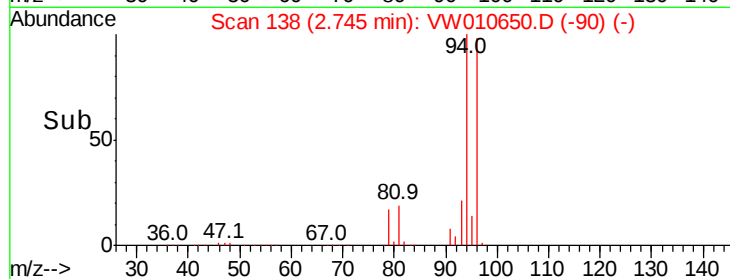
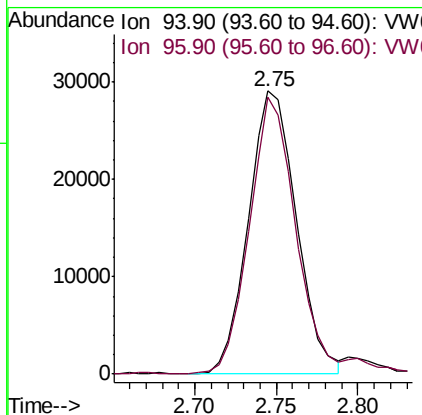
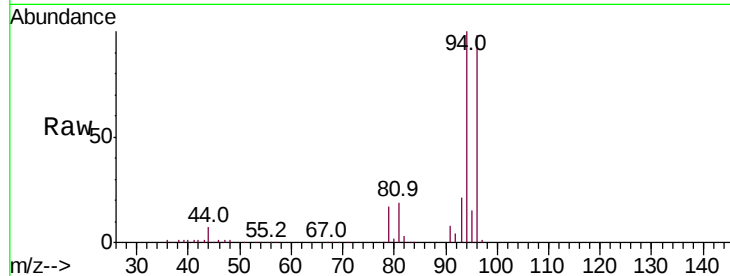
96 97.9 72.9 109.3

Manual Integrations

APPROVED

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6/4/2019 8:44:34 AM



#6

Chloroethane

Concen: 44.668 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010650.D

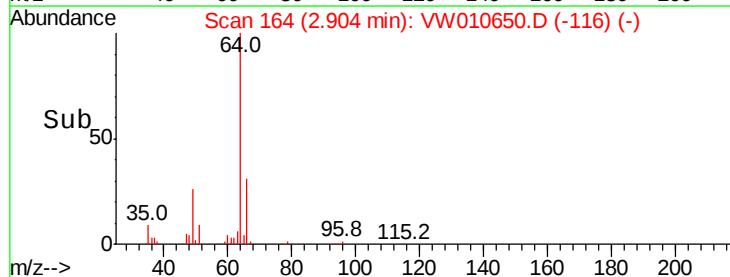
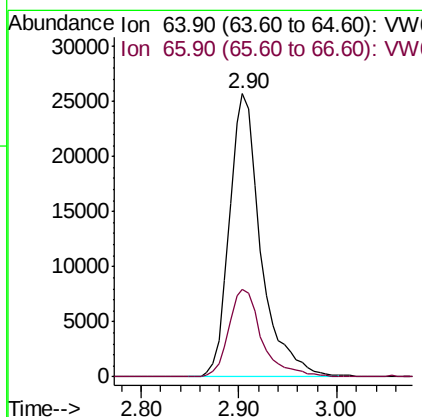
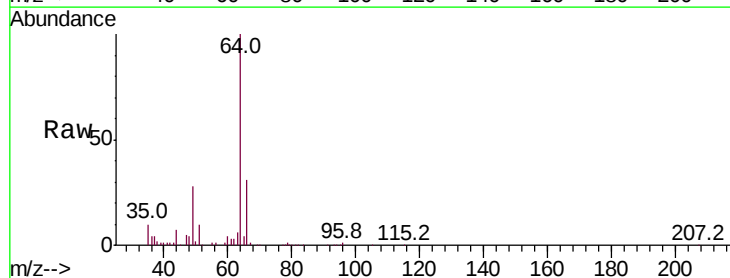
Acq: 31 May 2019 21:53

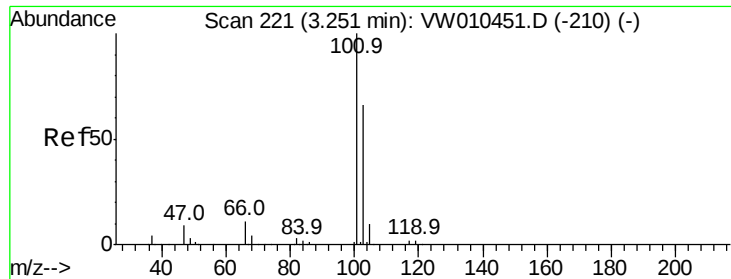
Tgt Ion: 64 Resp: 57406

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

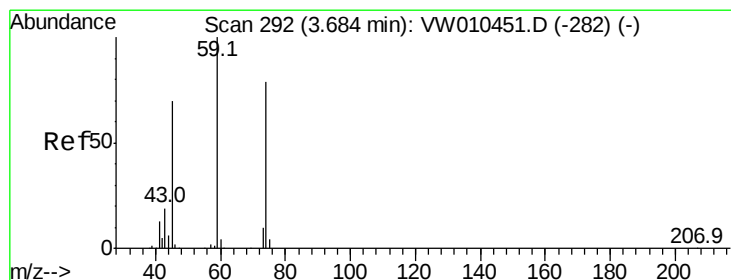
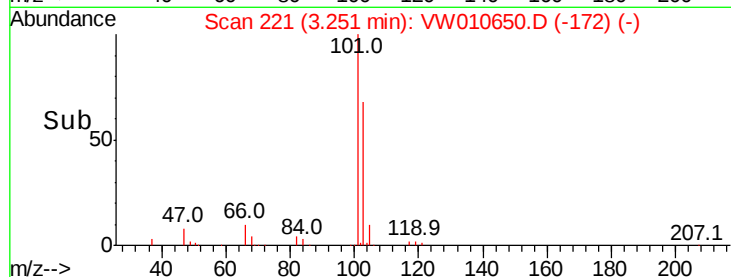
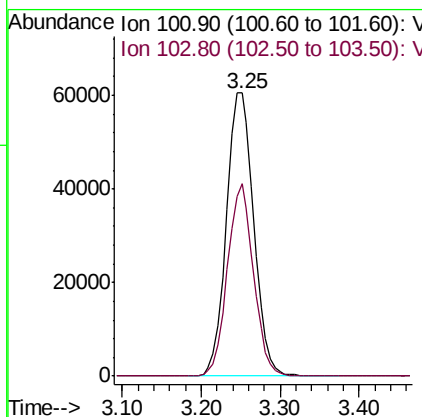
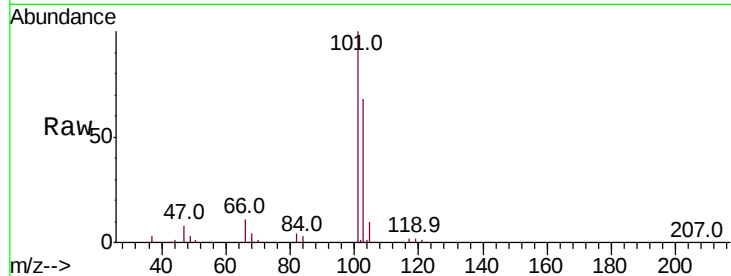
Trichlorofluoromethane
 Concen: 49.315 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010650.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	53.0	79.4

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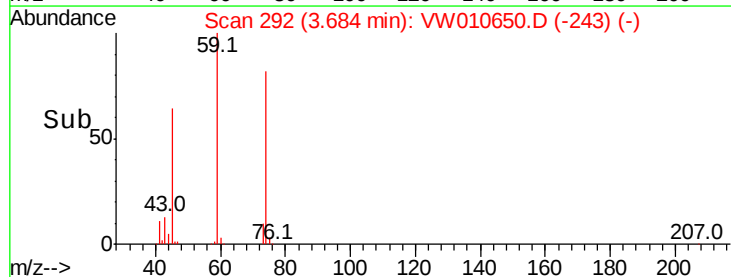
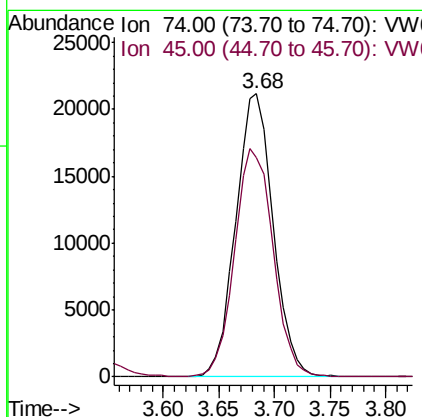
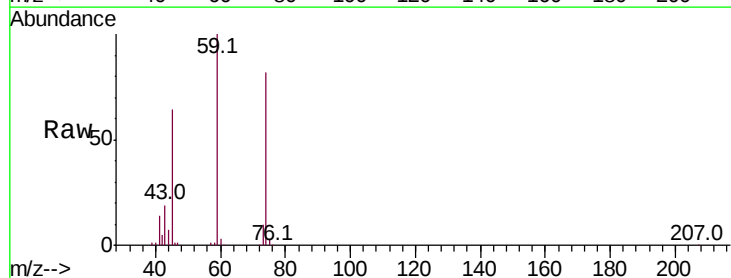
MMDadoda
 6/4/2019 8:44:34 AM

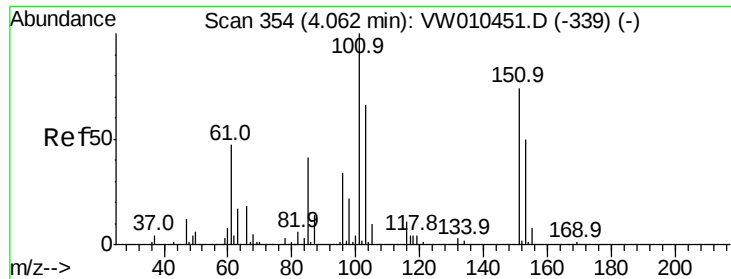


#8

Diethyl Ether
 Concen: 52.706 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.2	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.702 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

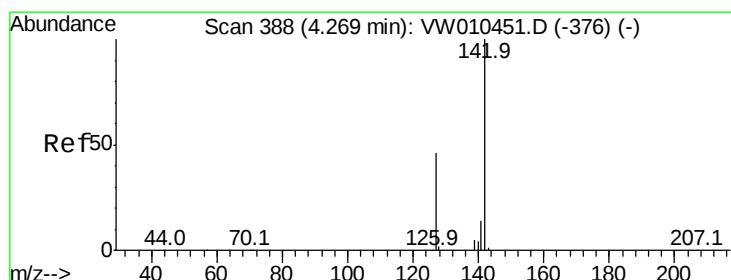
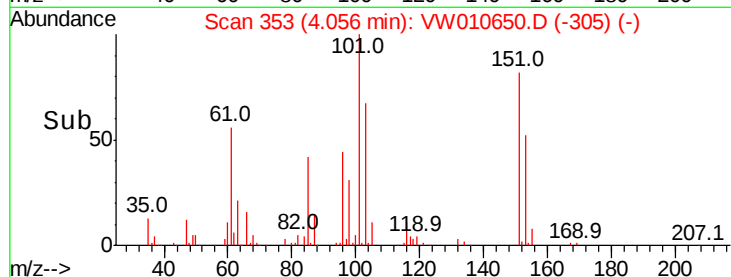
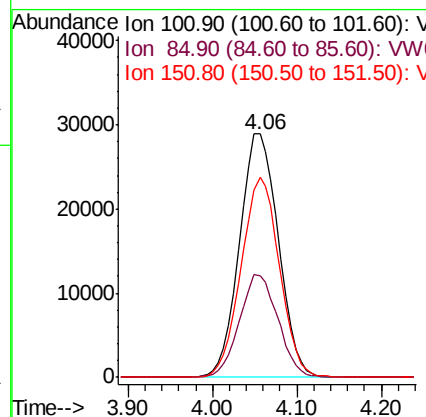
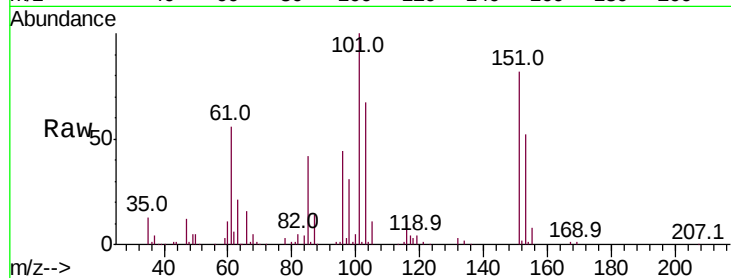
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	90470
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.3	51.5
151	81.0	60.3	90.5

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#10

Methyl Iodide

Concen: 47.571 ug/l

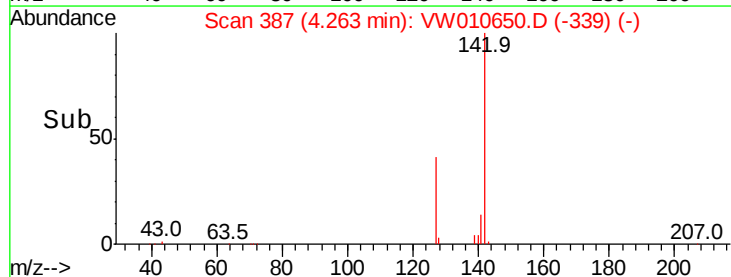
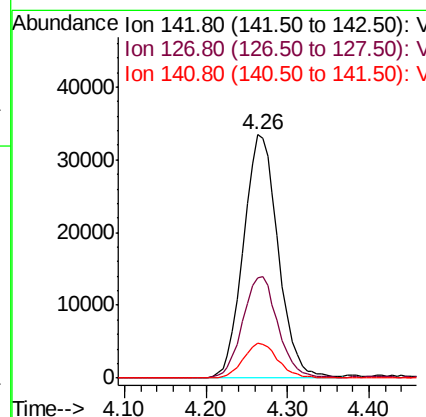
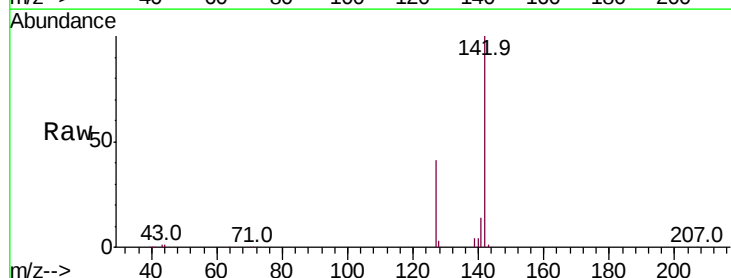
RT: 4.26 min Scan# 387

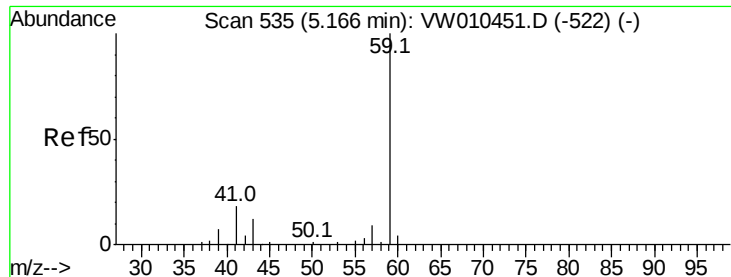
Delta R.T. -0.01 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion:	142	Resp:	98973
Ion Ratio	Lower	Upper	
142	100		
127	42.5	36.1	54.1
141	14.2	11.3	16.9





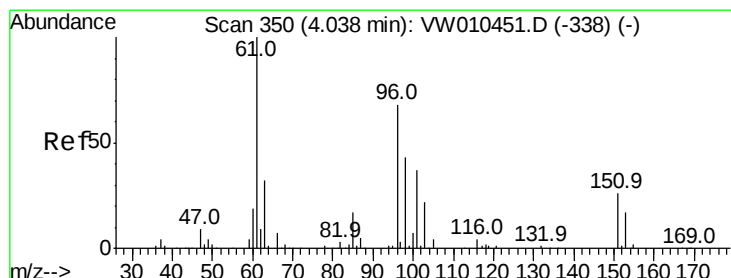
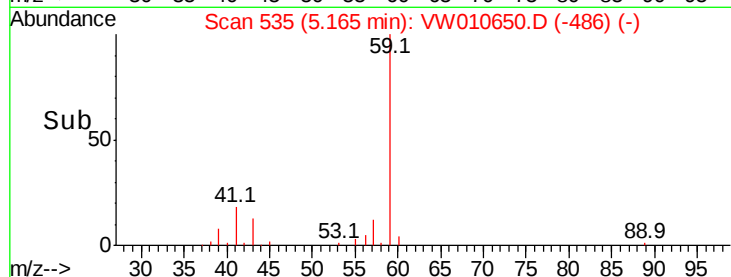
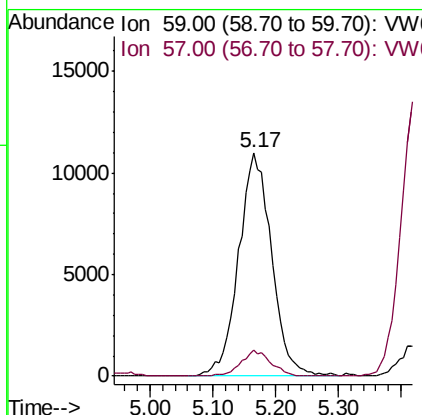
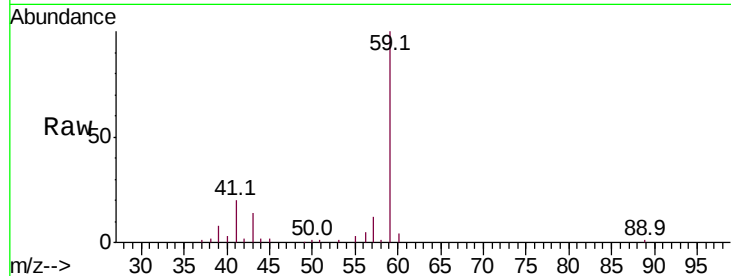
#11
Tert butyl alcohol
Concen: 261.981 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.8	13.2

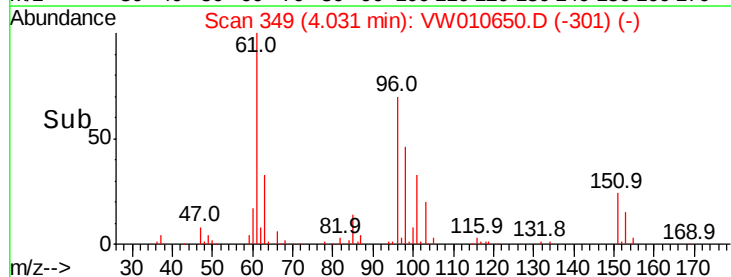
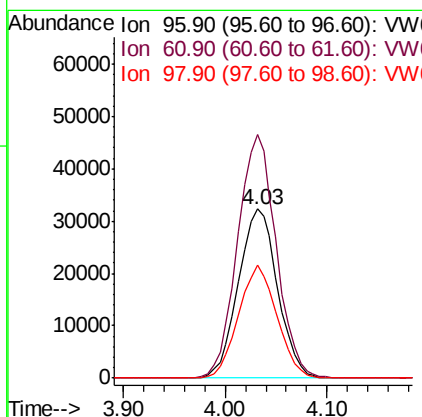
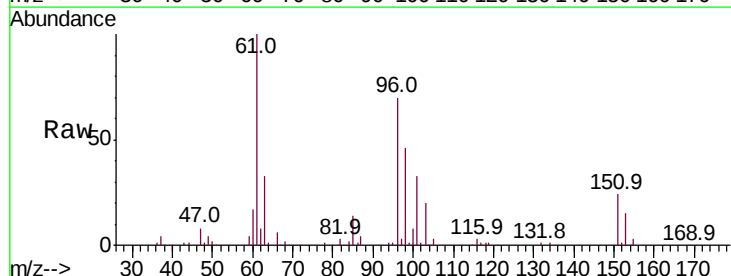
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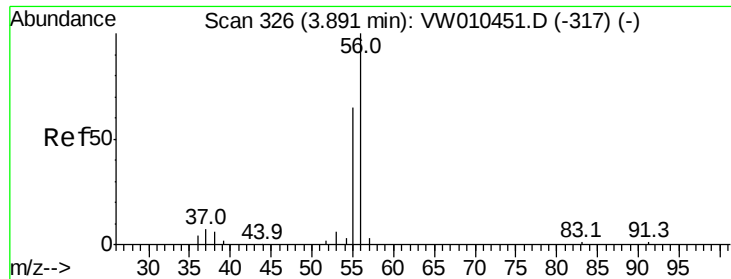
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.707 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	118.3	177.5
98	66.5	51.0	76.6





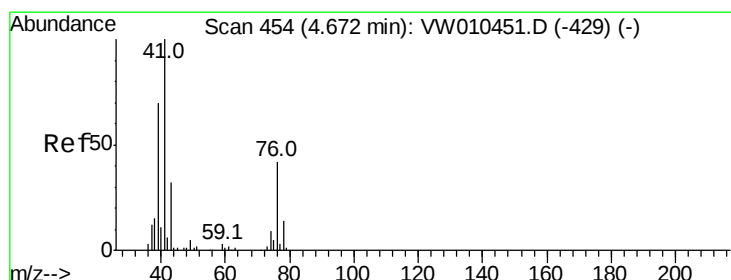
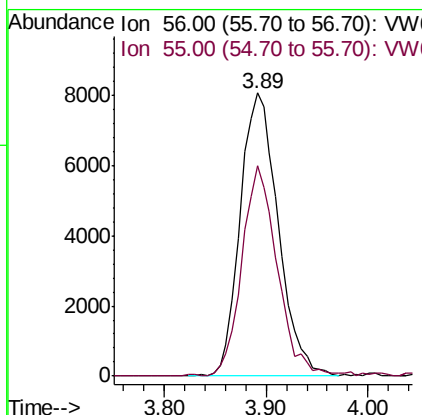
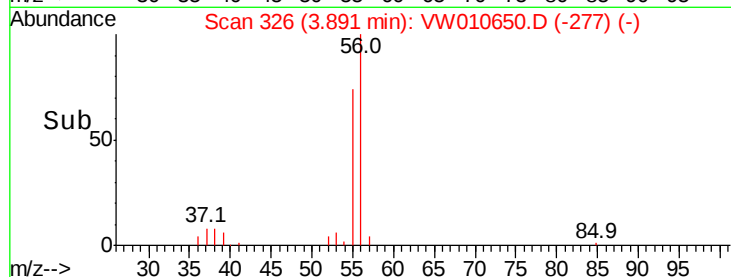
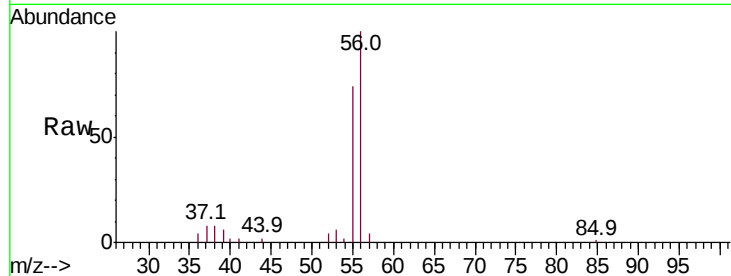
#13
 Acrolein
 Concen: 233.339 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.9	57.9	86.9

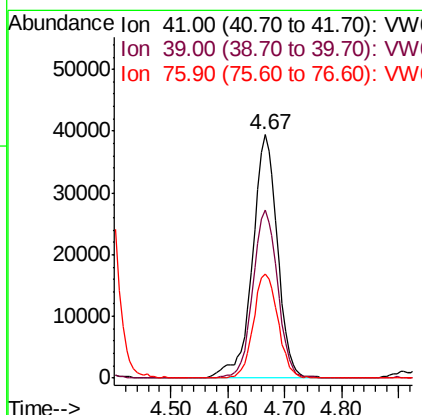
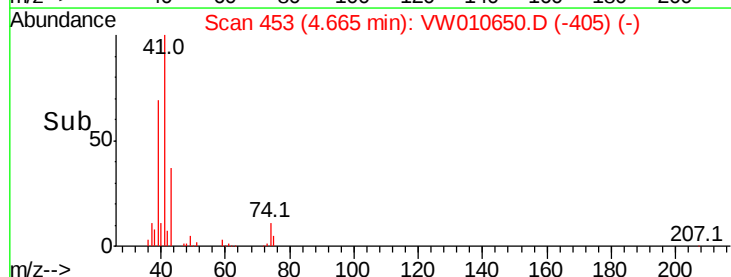
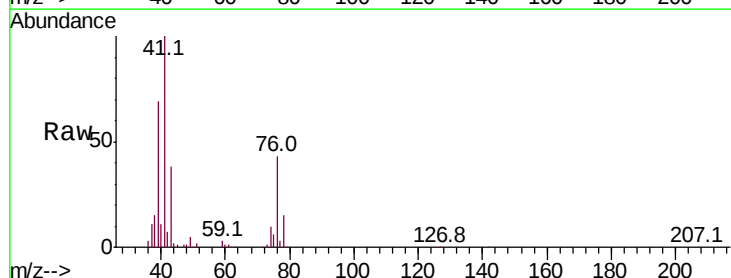
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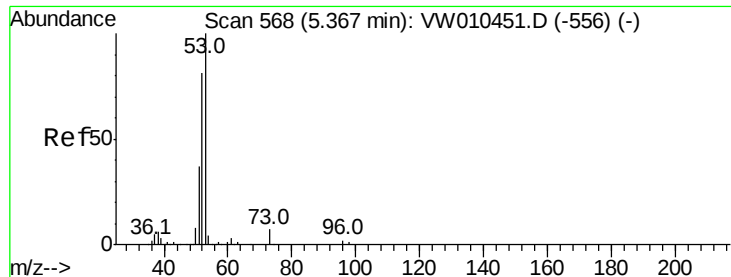
MMDadoda
 6/4/2019 8:44:34 AM



#14
 Allyl chloride
 Concen: 47.677 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.8	55.0	82.4
76	42.1	32.8	49.2





#15

Acrylonitrile

Concen: 253.457 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

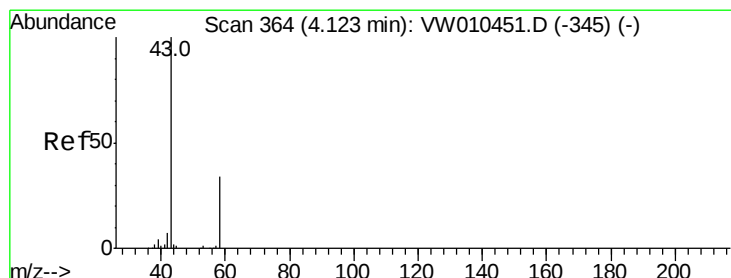
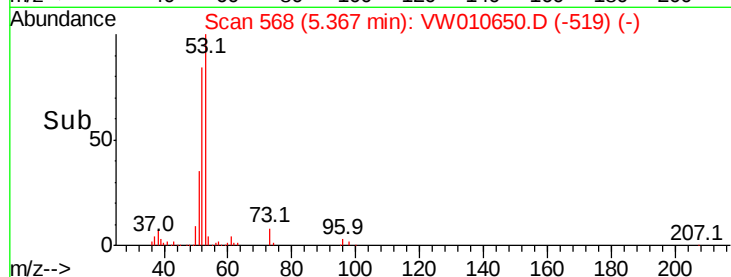
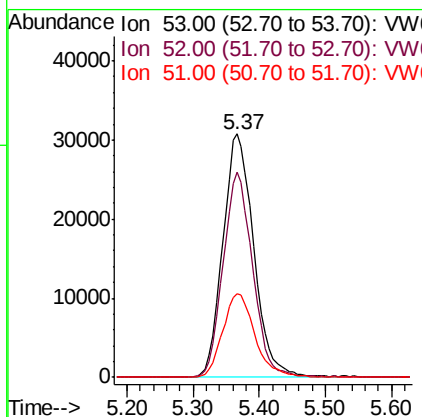
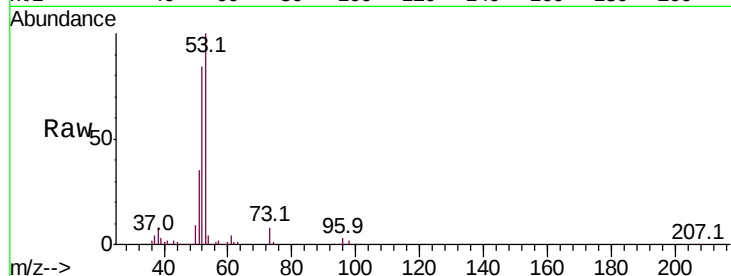
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	99454
Ion Ratio	Lower	Upper	
53	100		
52	80.2	65.6	98.4
51	35.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 229.662 ug/l

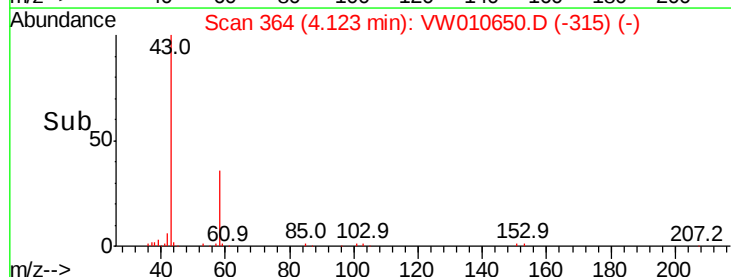
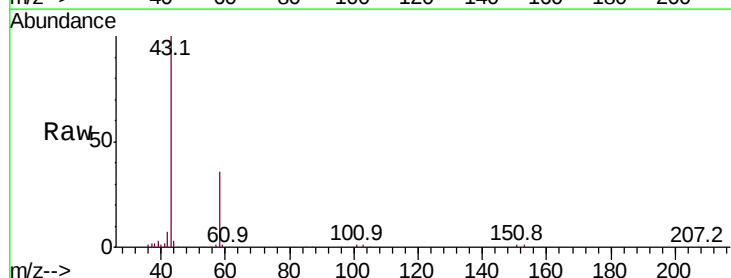
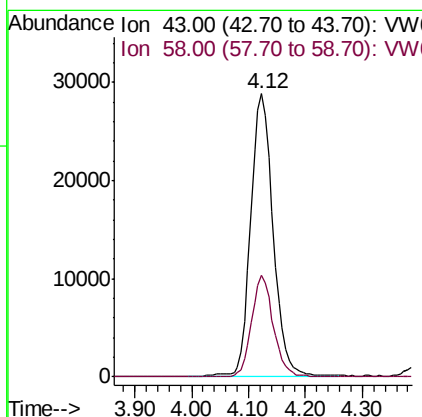
RT: 4.12 min Scan# 364

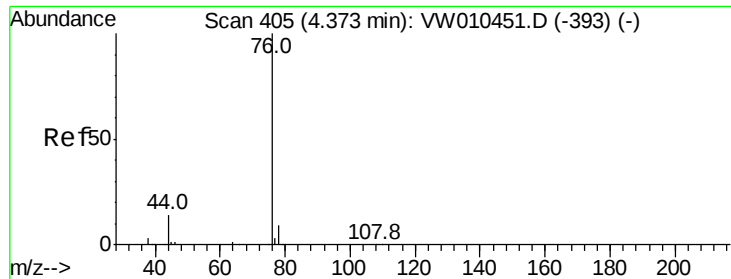
Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion:	43	Resp:	79598
Ion Ratio	Lower	Upper	
43	100		
58	36.0	27.0	40.4





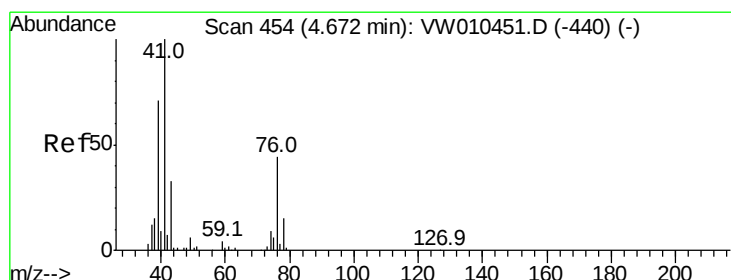
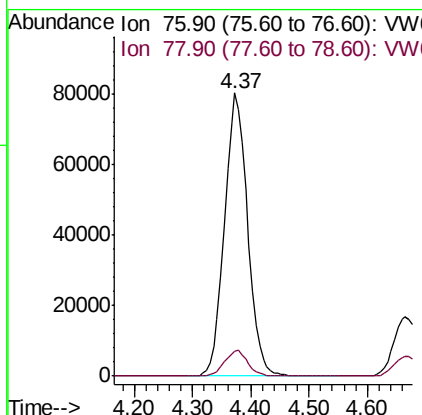
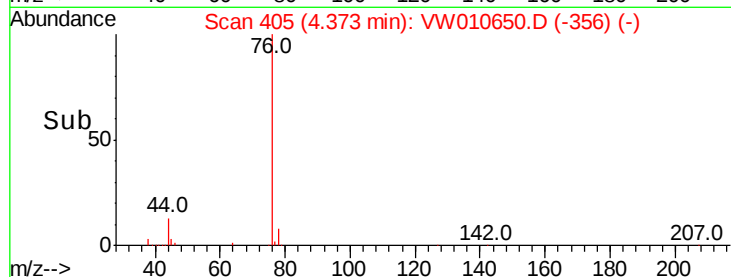
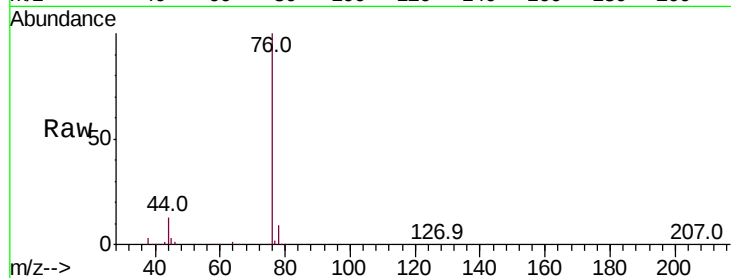
#17
Carbon Disulfide
Concen: 42.688 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

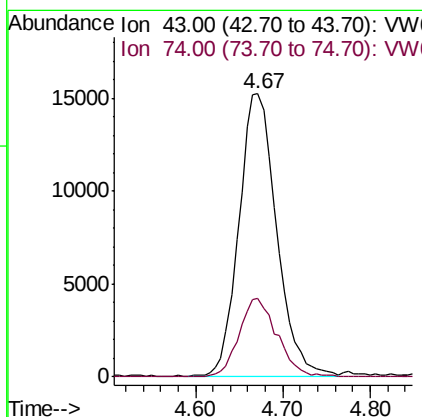
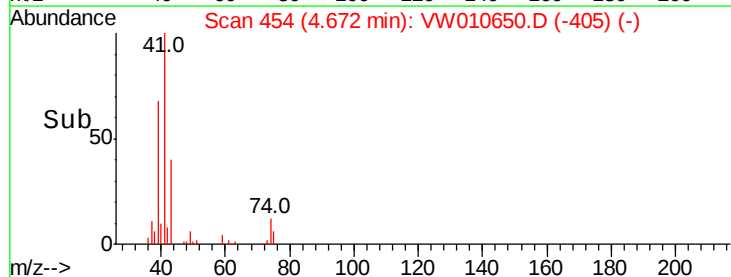
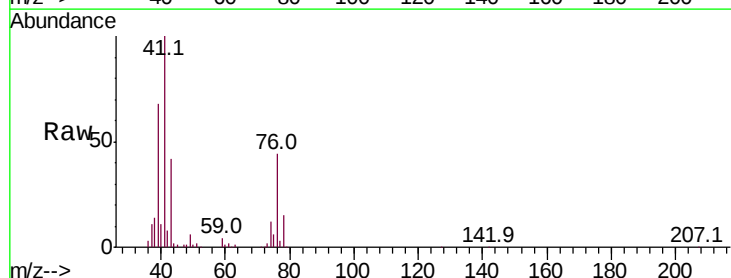
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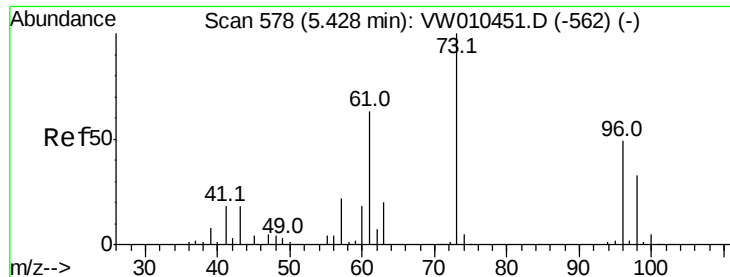
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#18
Methyl Acetate
Concen: 54.207 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.6	32.4





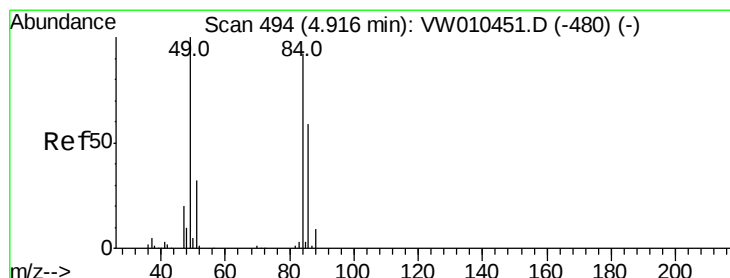
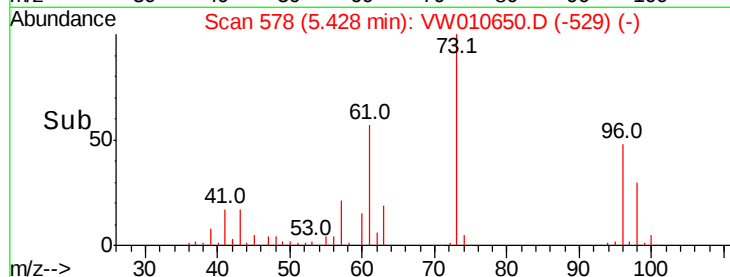
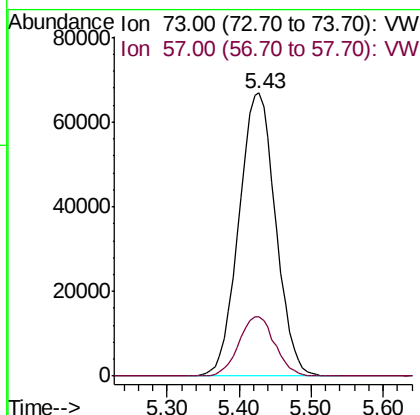
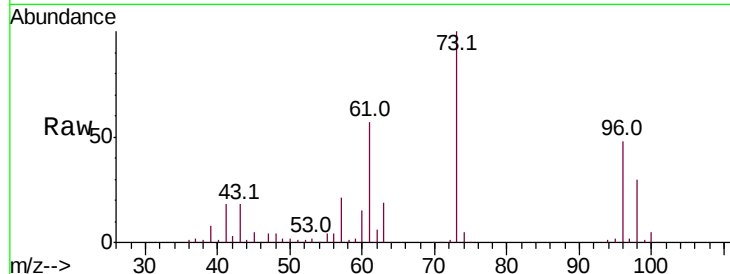
#19
Methyl tert-butyl Ether
Concen: 53.467 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.0

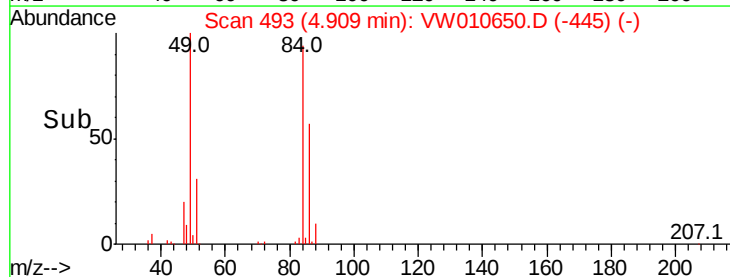
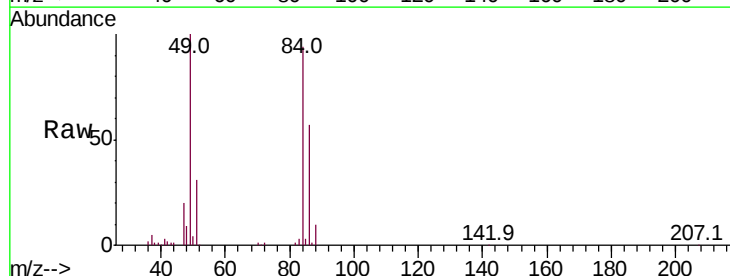
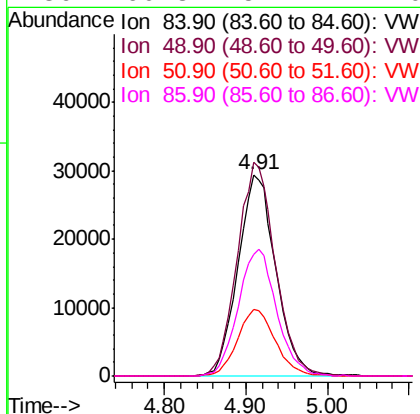
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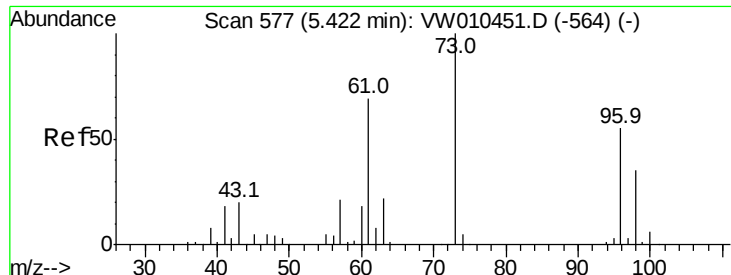
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#20
Methylene Chloride
Concen: 45.973 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.2	87.2	130.8
51	33.0	27.7	41.5
86	60.3	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 51.335 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 102313

Ion Ratio Lower Upper

96 100

61 119.8 101.4 152.0

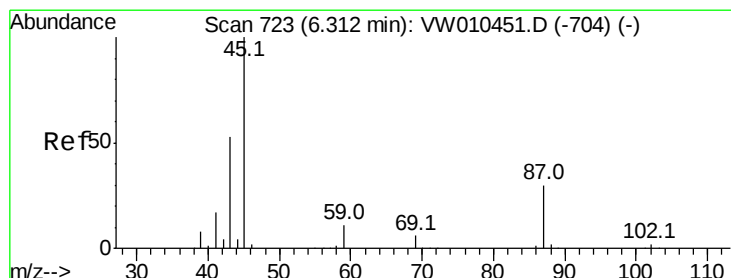
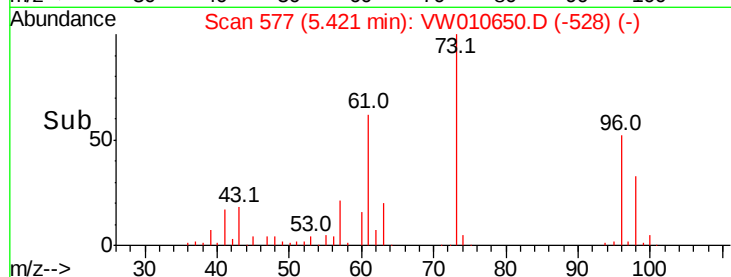
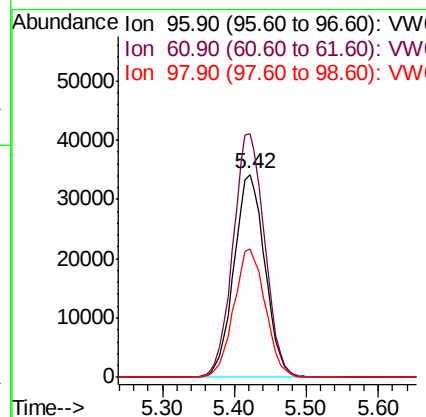
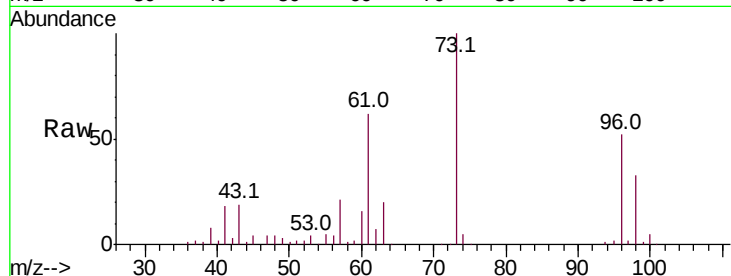
98 63.3 50.6 76.0

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#22

Diisopropyl ether

Concen: 50.487 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion: 45 Resp: 260371

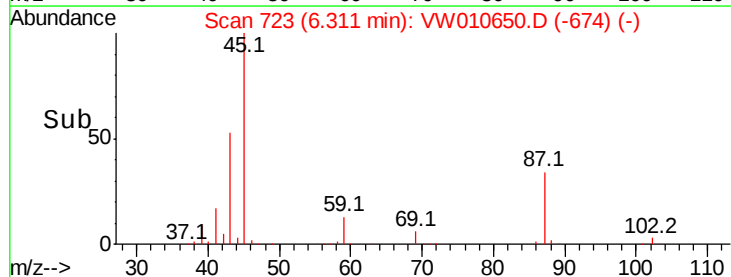
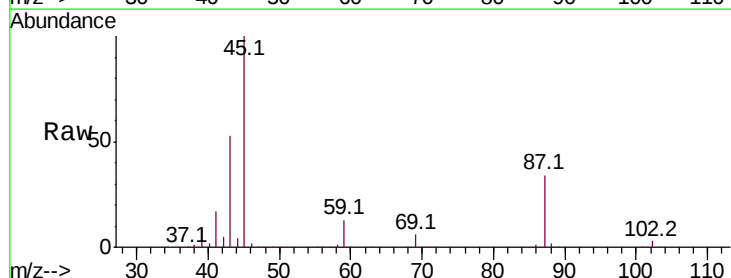
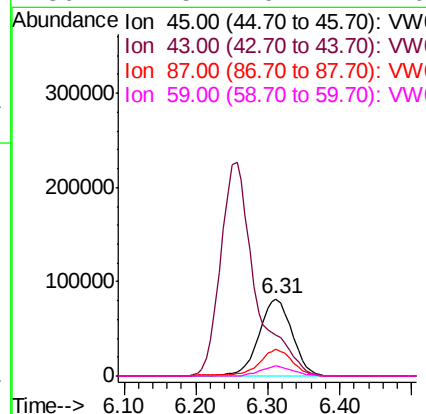
Ion Ratio Lower Upper

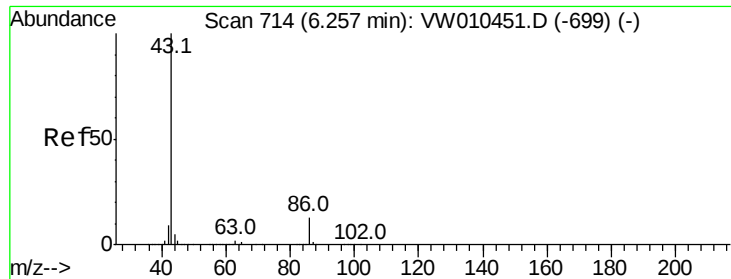
45 100

43 52.9 42.9 64.3

87 34.2 24.6 36.8

59 12.5 9.4 14.0





#23

Vinyl Acetate

Concen: 246.626 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 759760

Ion Ratio Lower Upper

43 100

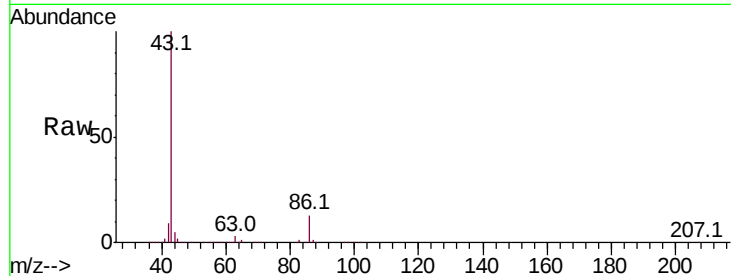
86 13.4 10.3 15.5

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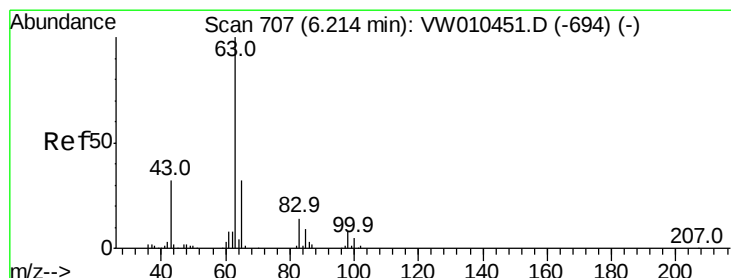
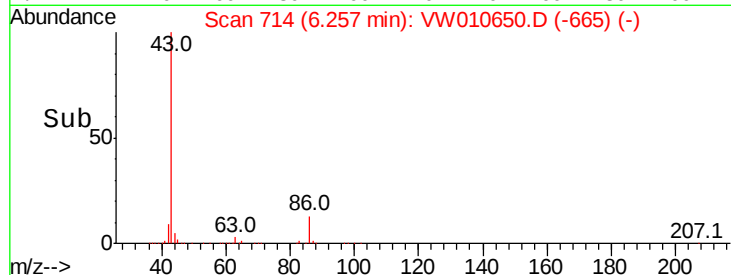
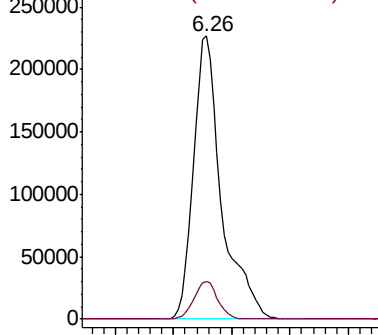
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.280 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

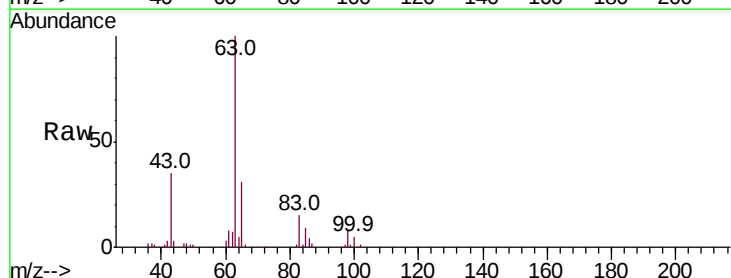
Tgt Ion: 63 Resp: 160897

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

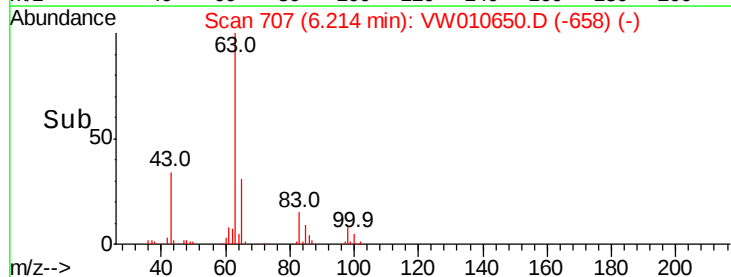
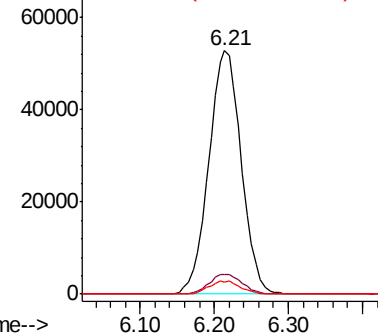
100 5.1 2.5 7.4

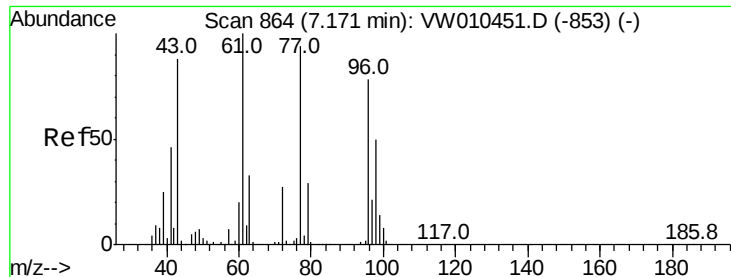


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 261.275 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 129592

Ion Ratio Lower Upper

43 100

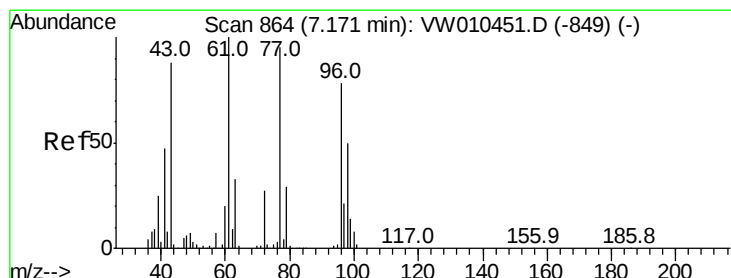
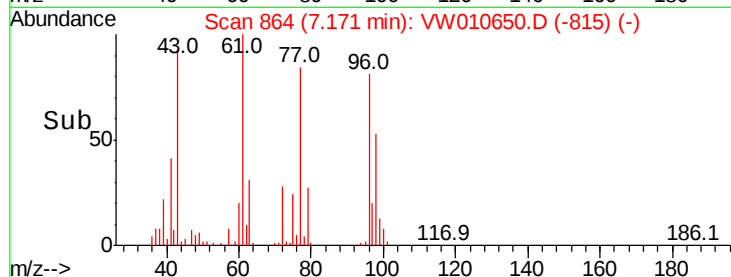
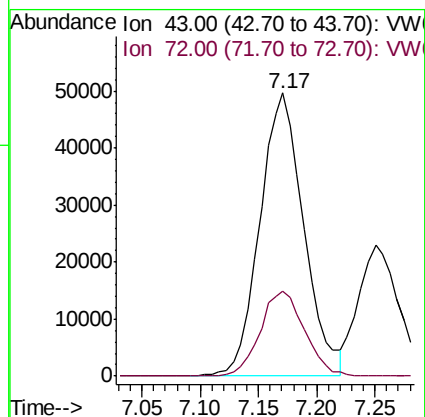
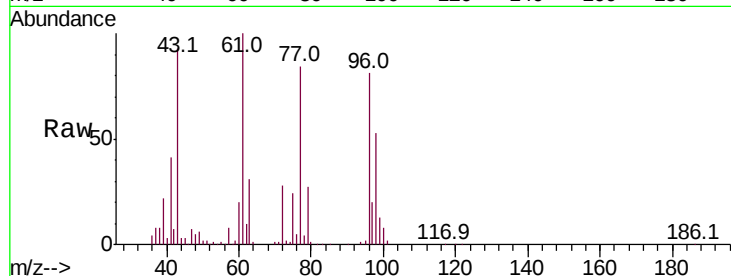
72 30.0 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.513 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010650.D

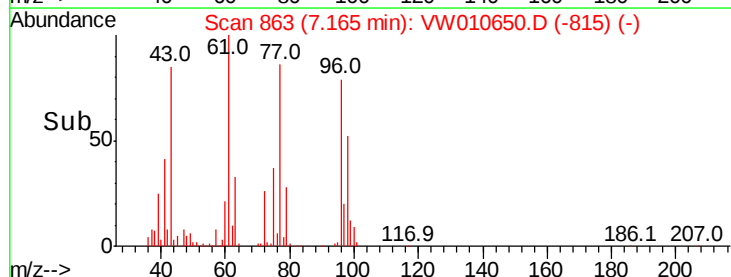
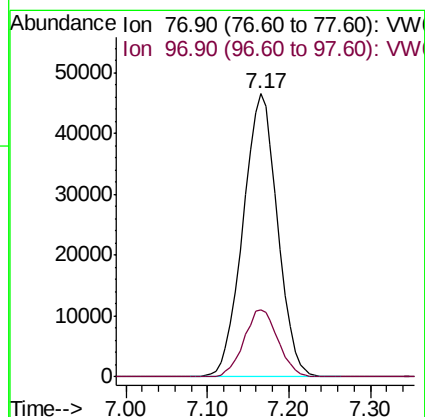
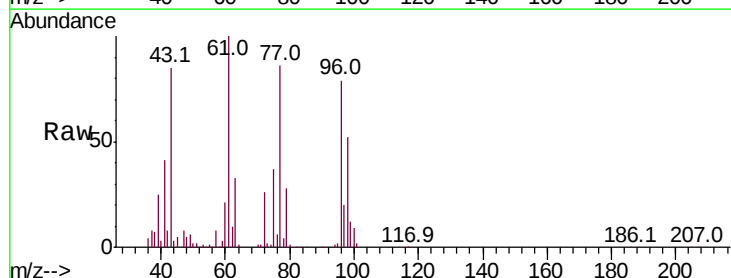
Acq: 31 May 2019 21:53

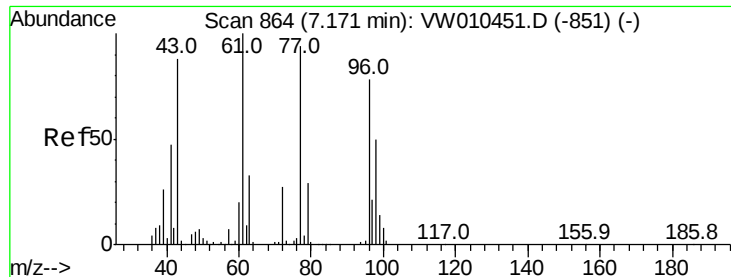
Tgt Ion: 77 Resp: 136356

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

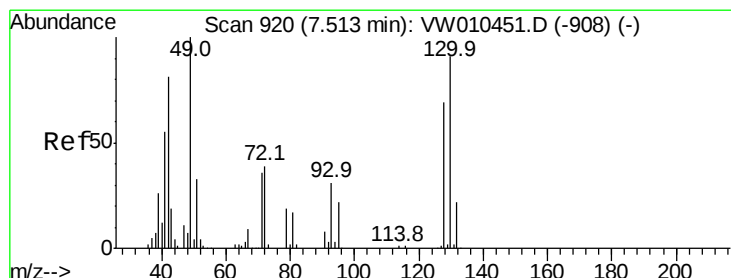
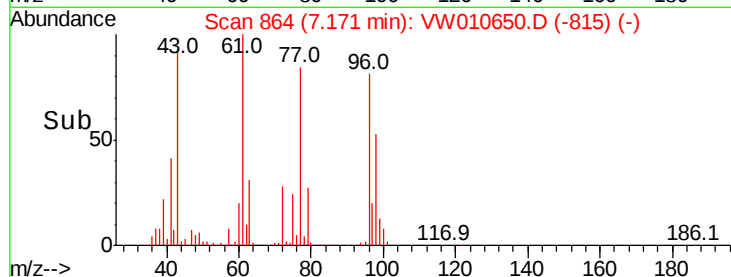
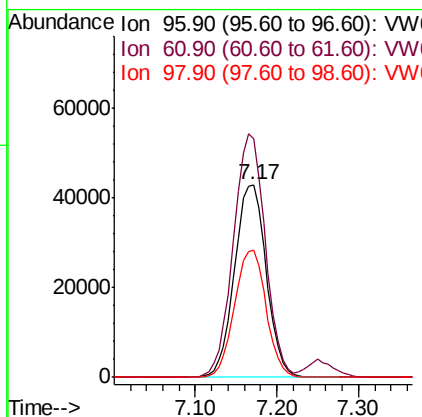
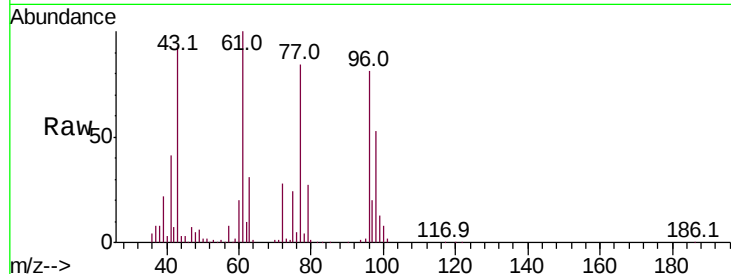
cis-1,2-Dichloroethene
 Concen: 53.465 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	126.9	0.0	265.4	
98	65.9	0.0	129.4	

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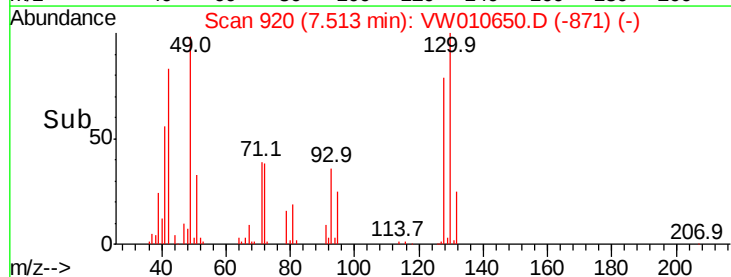
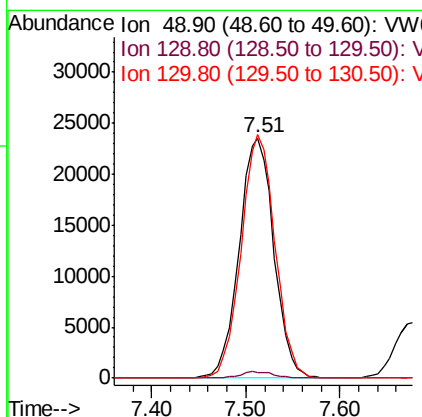
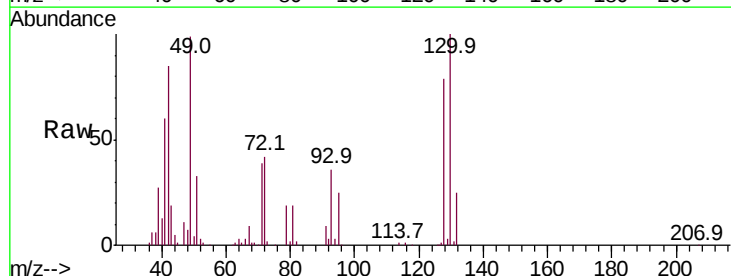
MMDadoda
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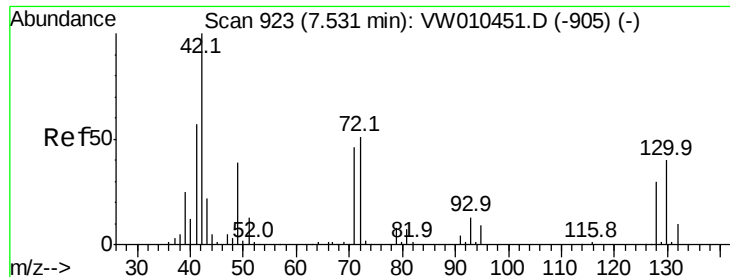


#28

Bromochloromethane
 Concen: 54.956 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	98.9	71.2	106.8	





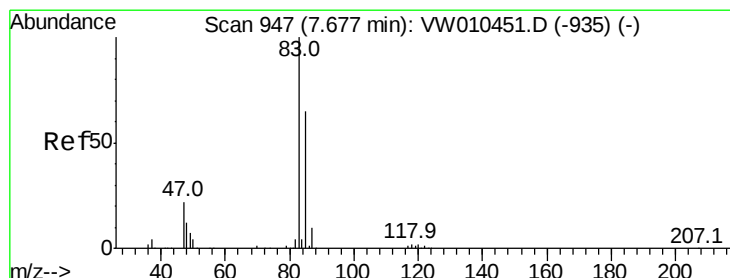
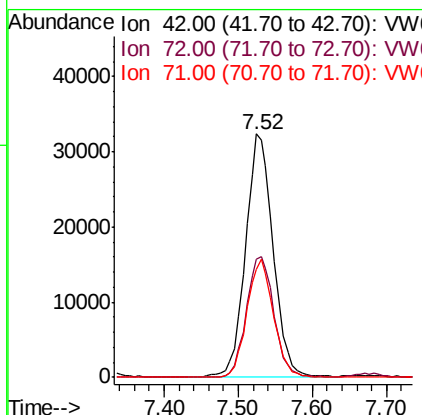
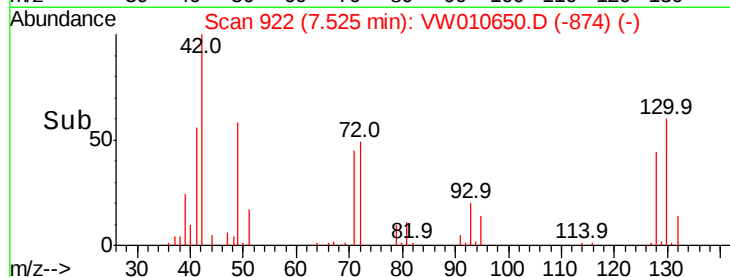
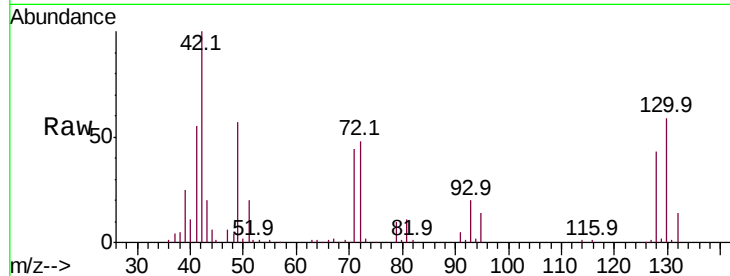
#29
Tetrahydrofuran
Concen: 250.481 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	38.5	57.7
71	46.6	36.5	54.7

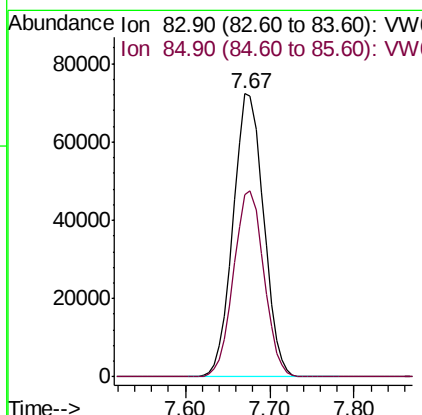
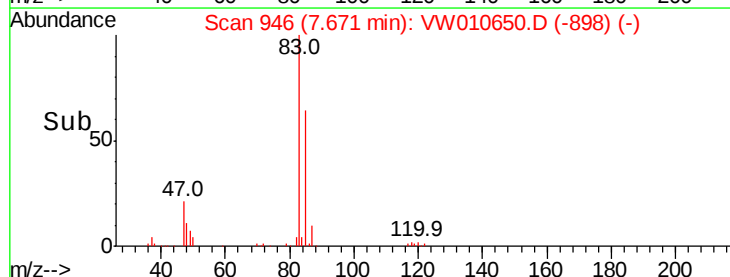
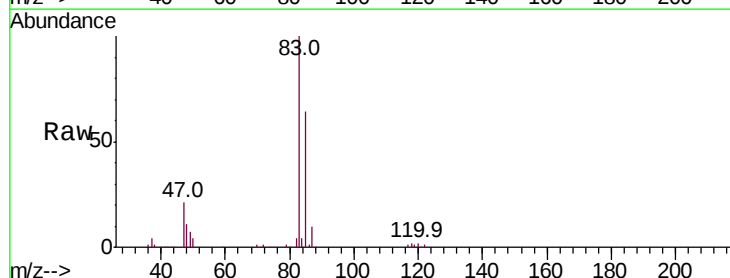
Manual Integrations
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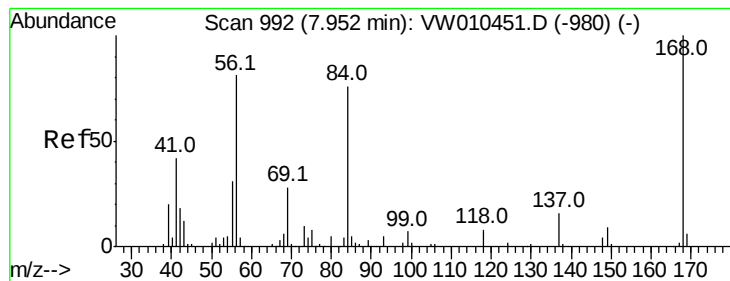
MMDadoda
6/4/2019 8:44:34 AM



#30
Chloroform
Concen: 53.454 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4





#31

Cyclohexane

Concen: 43.277 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 139515

Ion Ratio Lower Upper

56 100

69 38.3 28.2 42.2

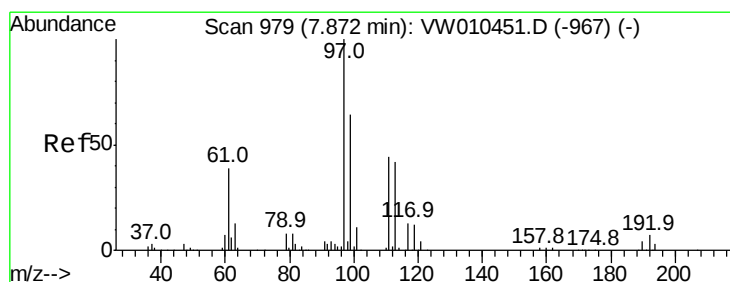
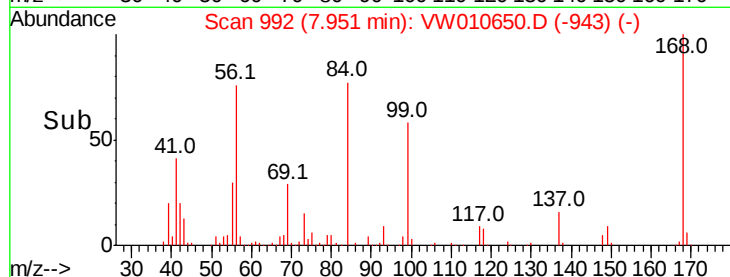
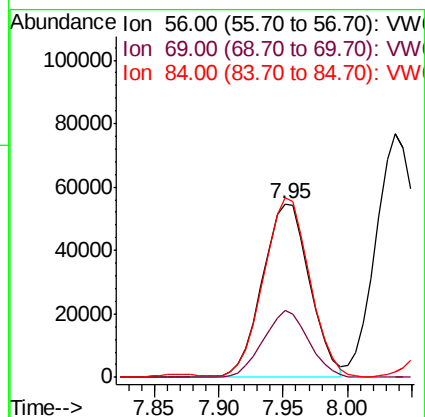
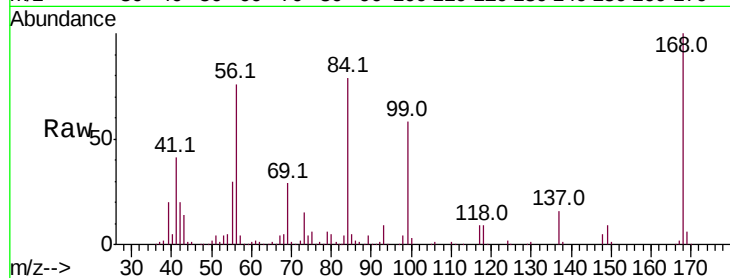
84 101.8 75.8 113.8

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#32

1,1,1-Trichloroethane

Concen: 50.531 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

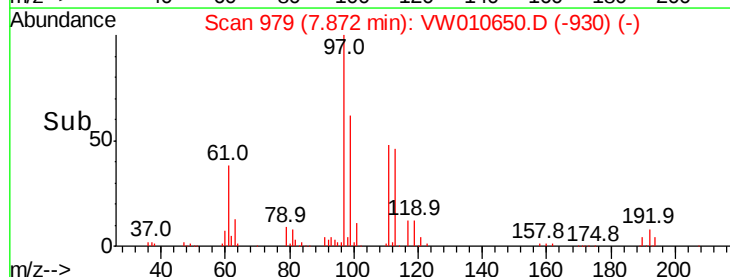
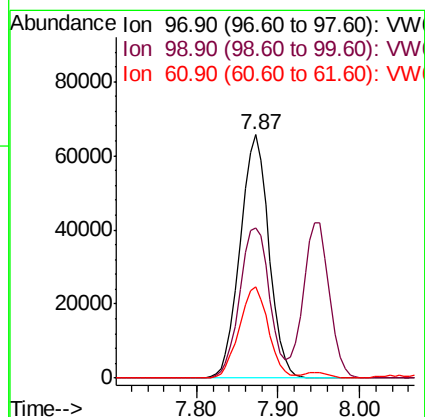
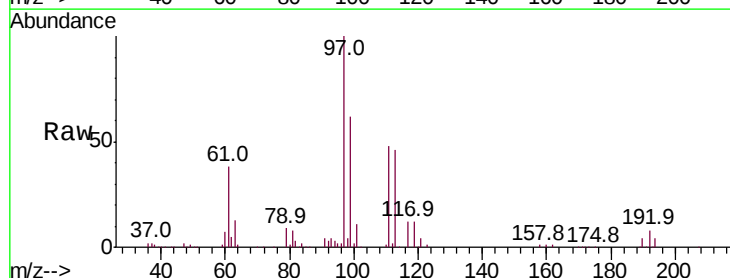
Tgt Ion: 97 Resp: 160326

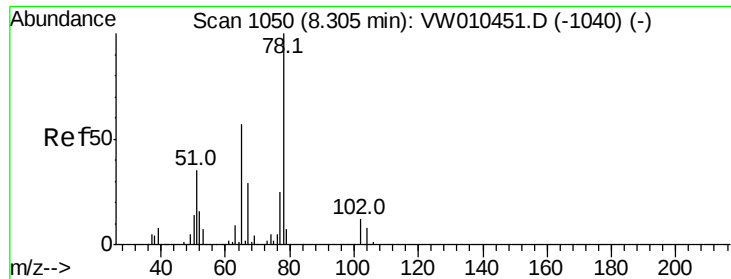
Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

61 38.1 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 50.400 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 85577

Ion Ratio Lower Upper

65 100

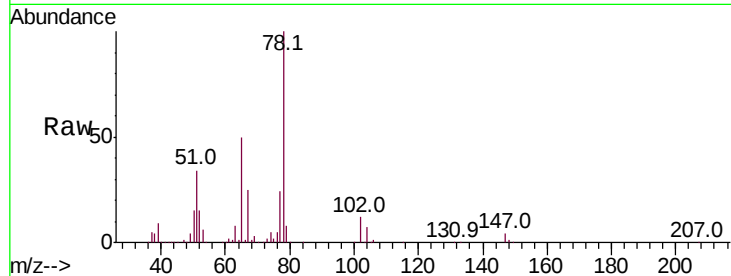
67 53.0 0.0 103.6

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

40000

30000

20000

10000

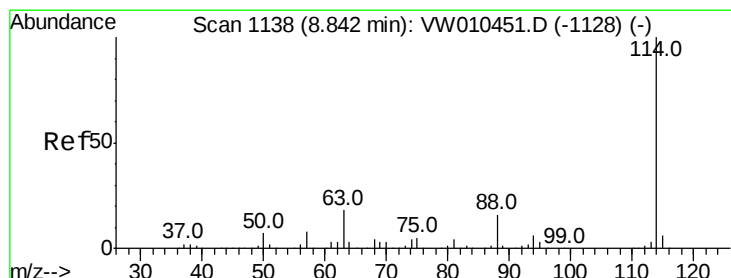
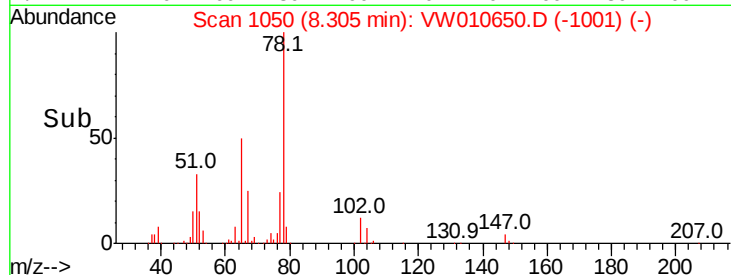
0

8.20

8.30

8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

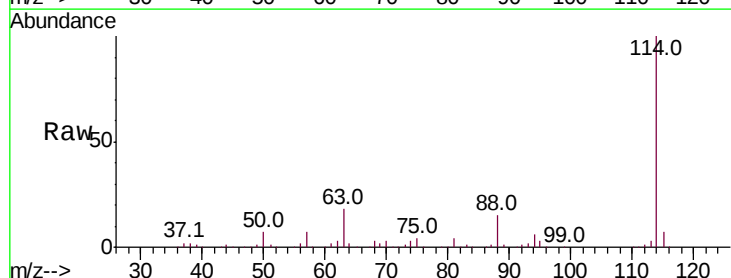
Tgt Ion: 114 Resp: 276591

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.0

88 15.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

150000

100000

50000

0

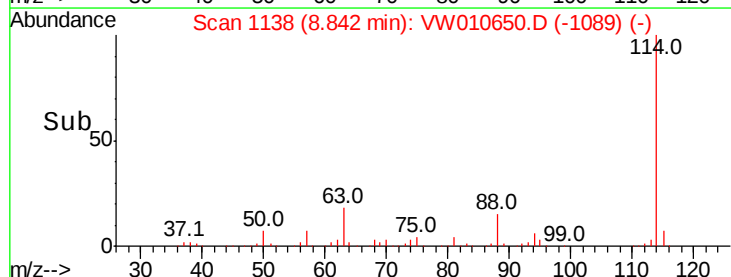
8.70

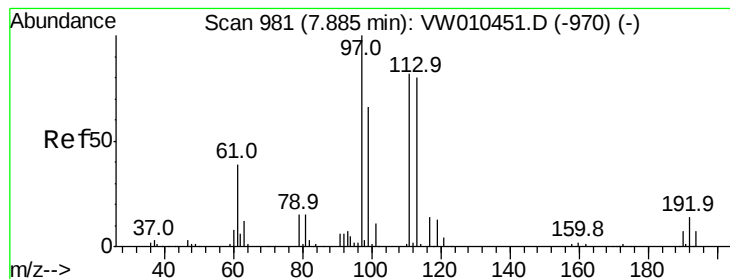
8.80

8.90

9.00

Time-->





#35

Dibromofluoromethane

Concen: 54.151 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

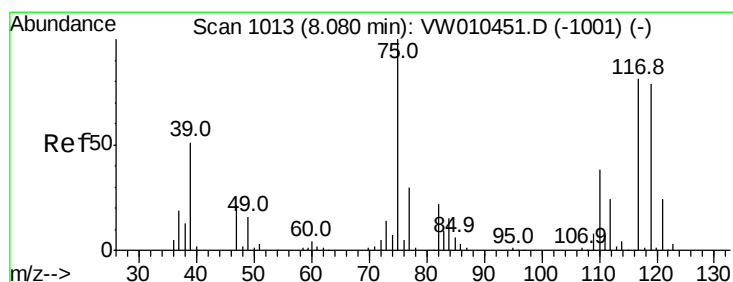
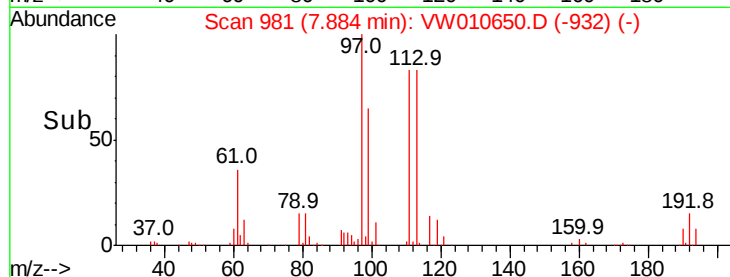
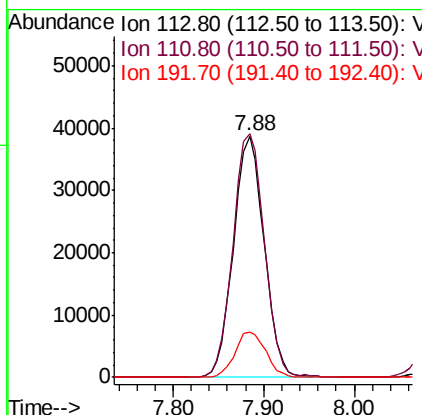
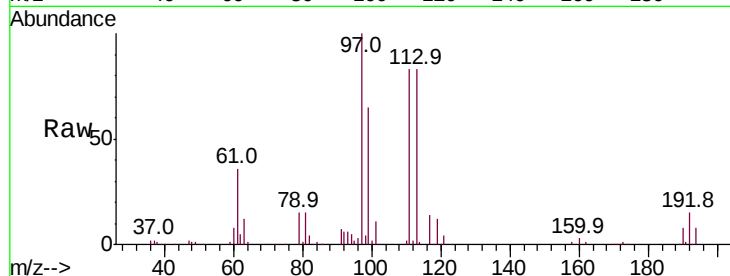
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	90881
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	18.8	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.442 ug/l

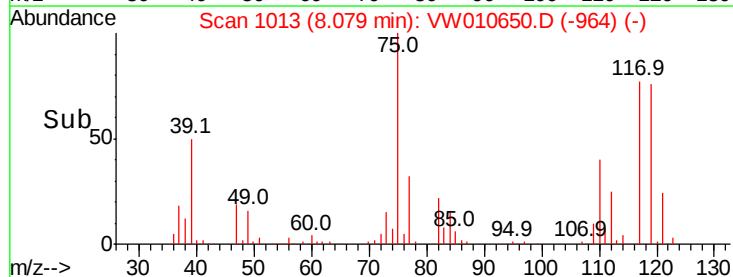
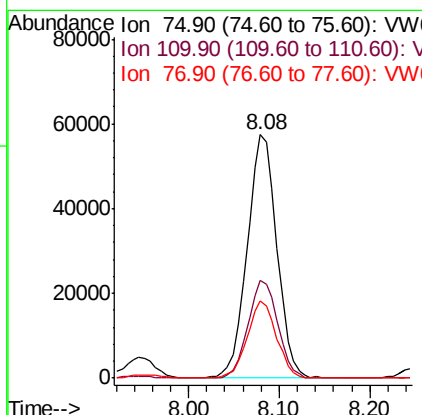
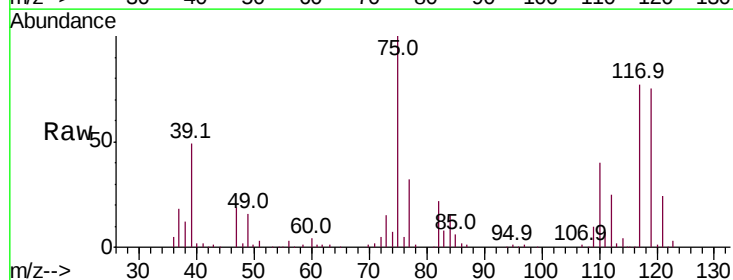
RT: 8.08 min Scan# 1013

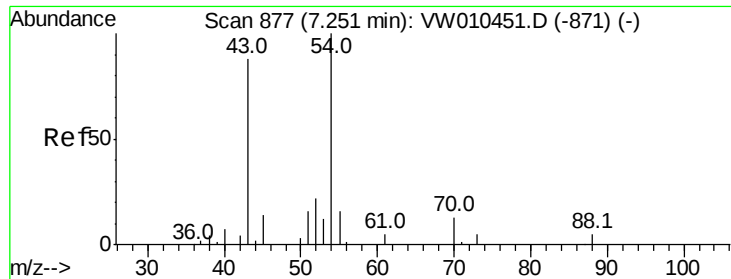
Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion:	75	Resp:	129968
Ion	Ratio	Lower	Upper
75	100		
110	40.1	19.2	57.6
77	31.2	25.2	37.8





#37

Ethyl Acetate

Concen: 51.756 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

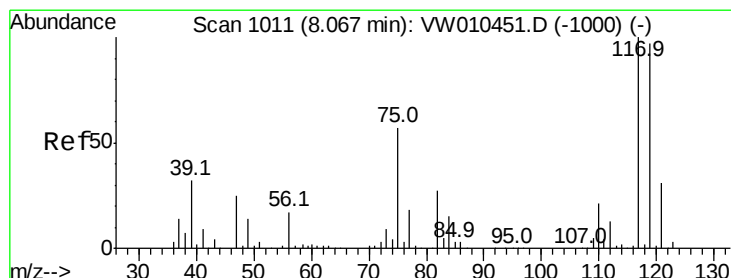
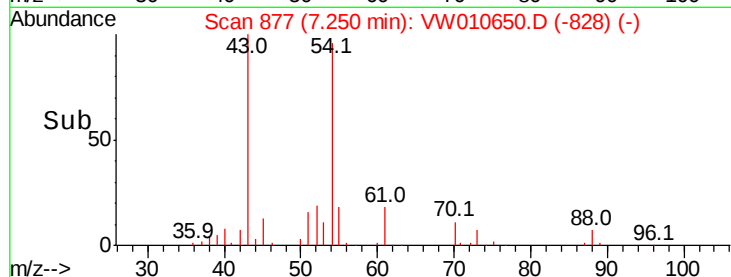
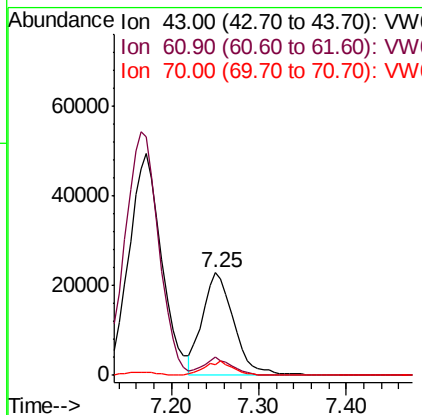
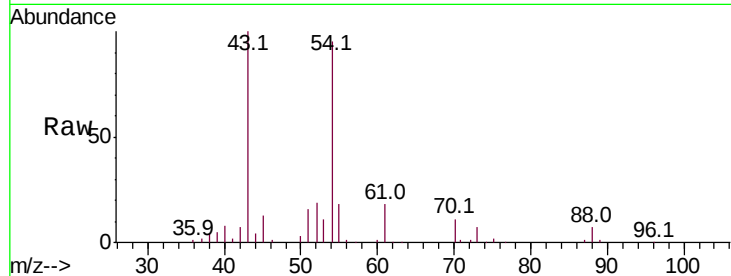
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	56708
Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.2	16.8
70	12.7	9.9	14.9

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#38

Carbon Tetrachloride

Concen: 51.333 ug/l

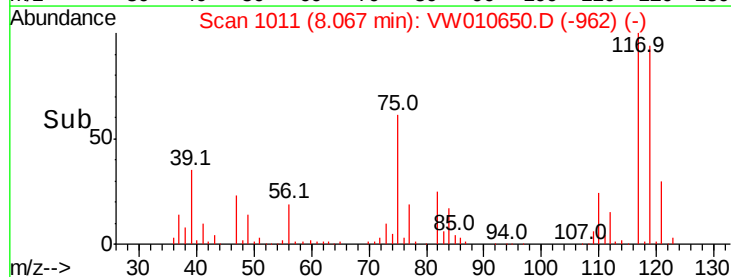
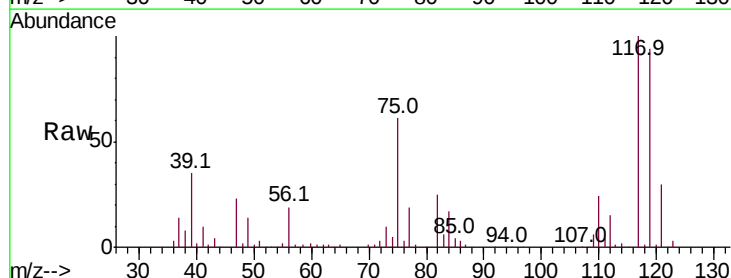
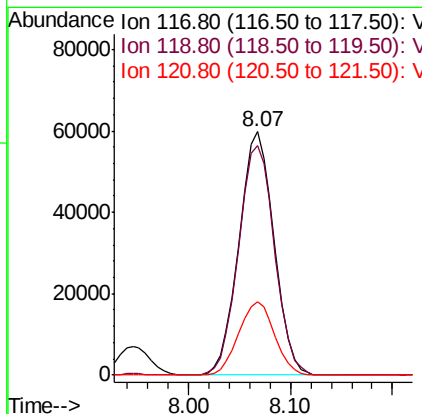
RT: 8.07 min Scan# 1011

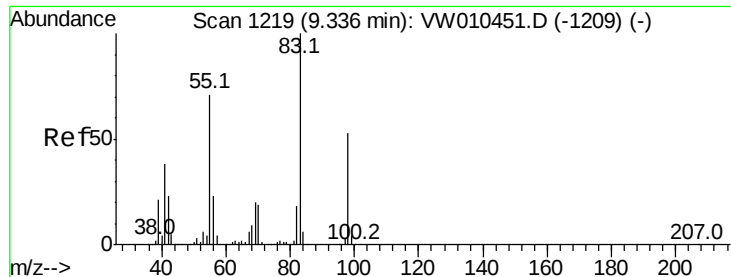
Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion:	117	Resp:	142679
Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.4	116.0
121	30.4	25.0	37.6





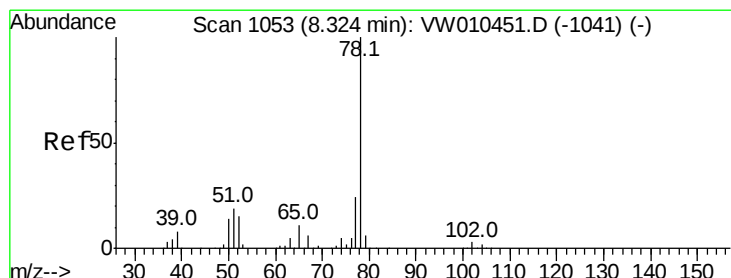
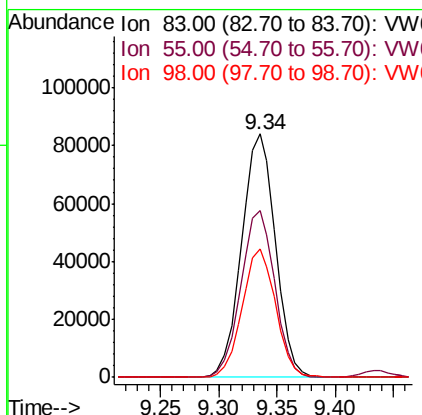
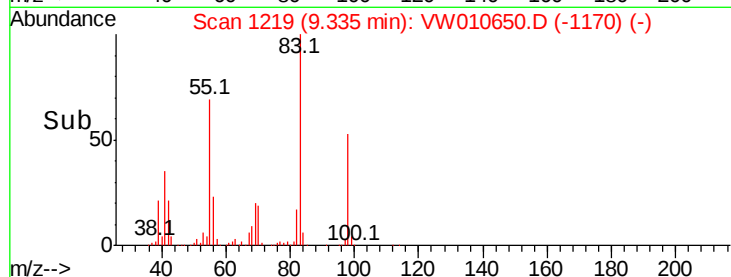
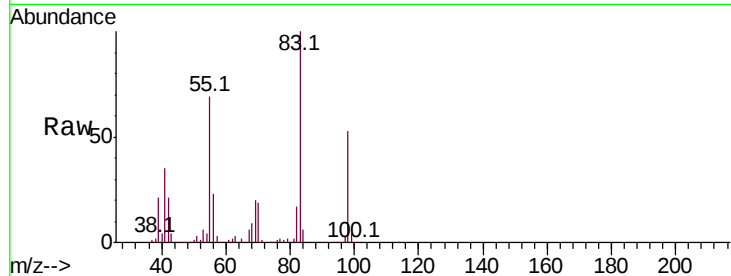
#39
Methvlcvclohexane
Concen: 49.370 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	170425
Ion Ratio	100	Lower	Upper
83	100		
55	68.7	57.0	85.6
98	52.7	42.0	63.0

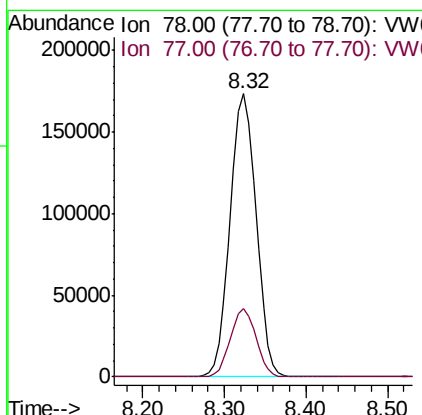
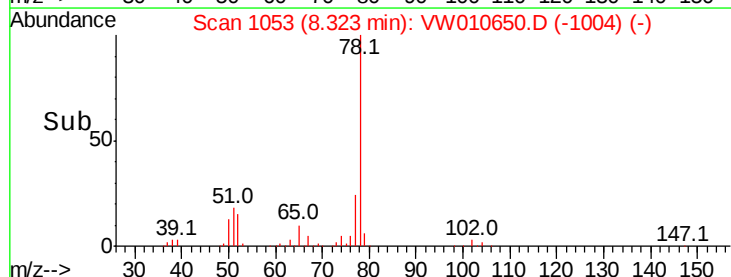
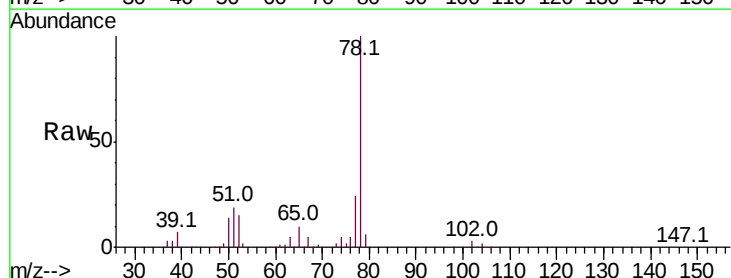
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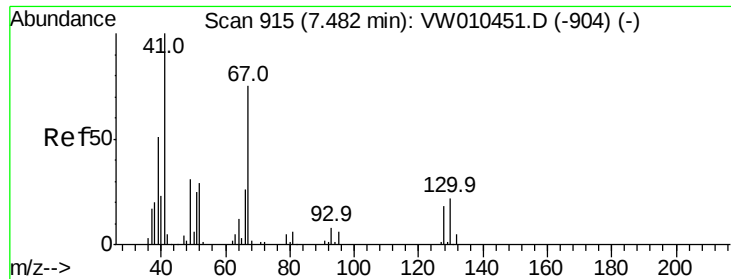
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#40
Benzene
Concen: 53.473 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	78	Resp	382949
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.9	28.3





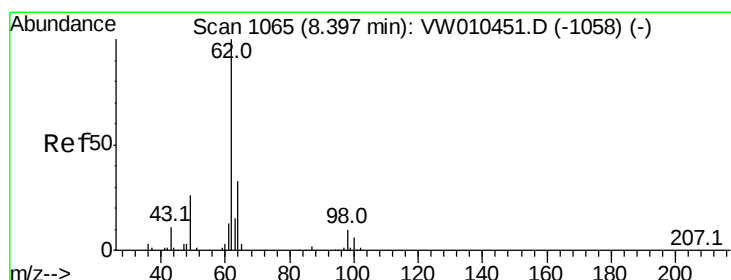
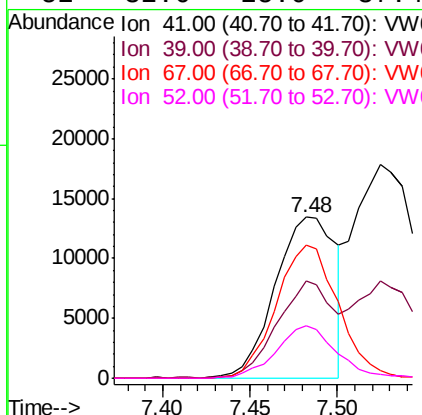
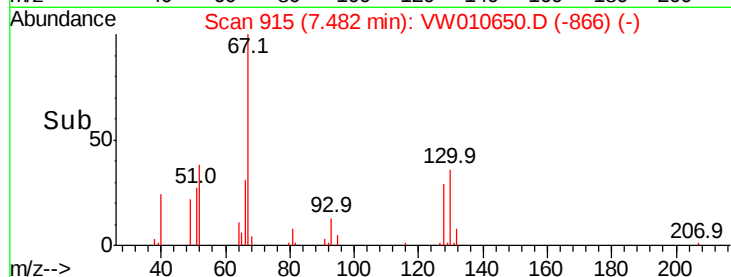
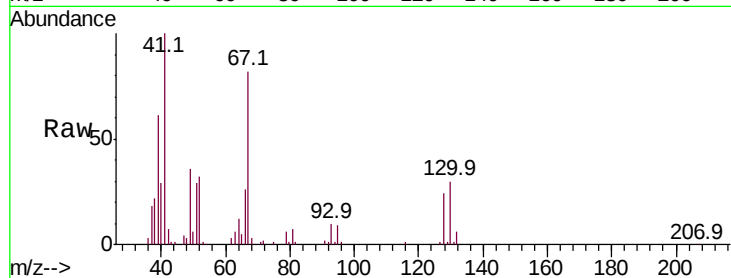
#41
Methacrylonitrile
Concen: 49.774 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	47.4	71.2	
67	85.5	65.5	98.3	
52	32.6	25.0	37.4	

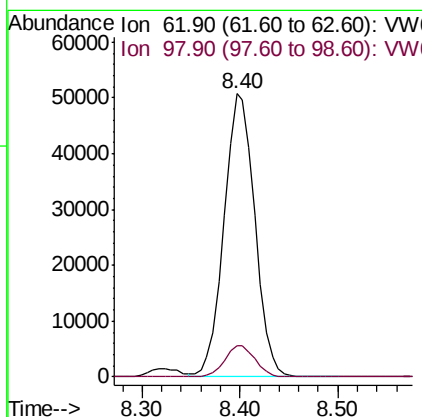
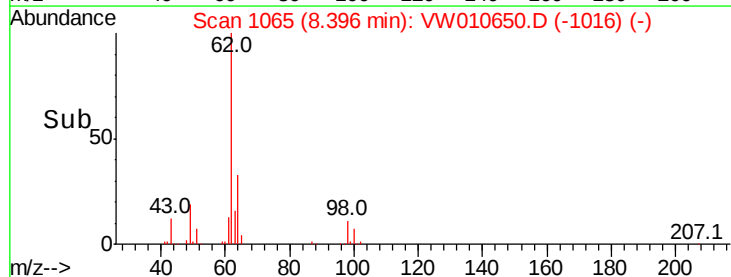
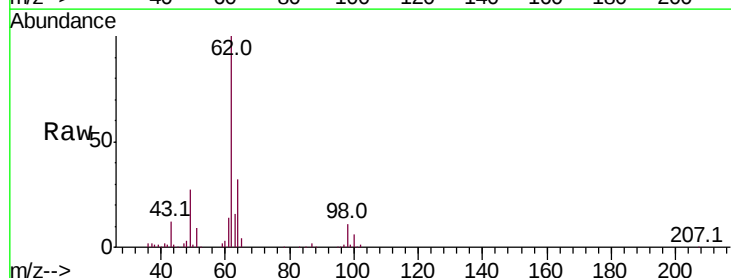
Manual Integrations
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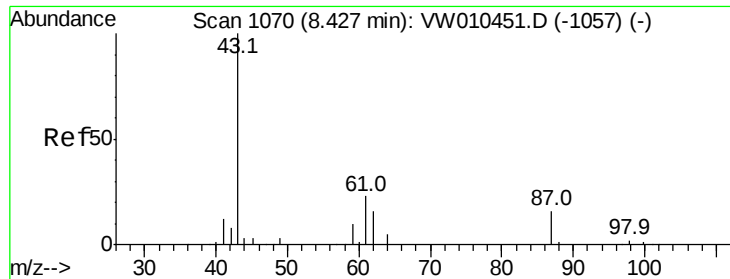
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.054 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	21.0	





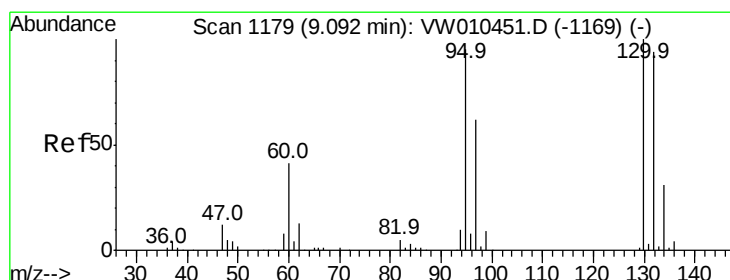
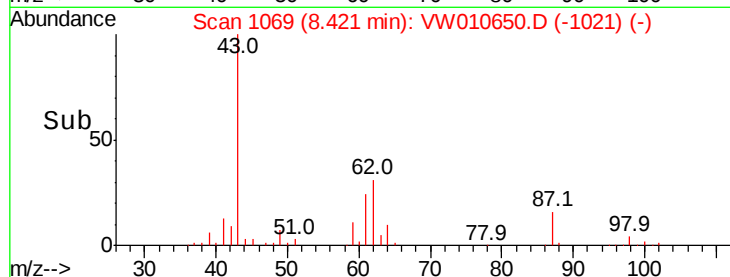
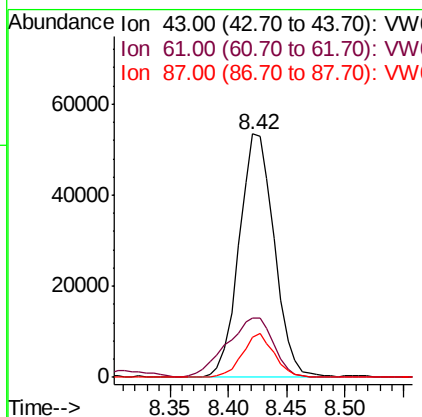
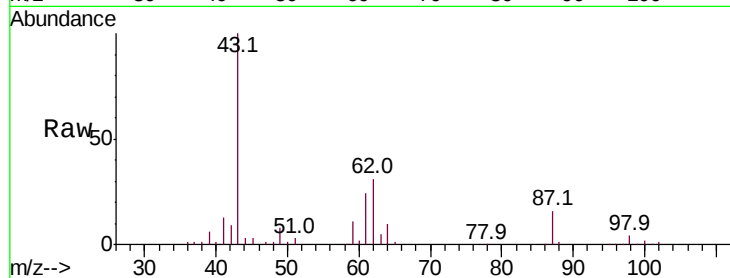
#43
Isopropyl Acetate
Concen: 51.298 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.2	25.4	38.2
87	16.3	12.7	19.1

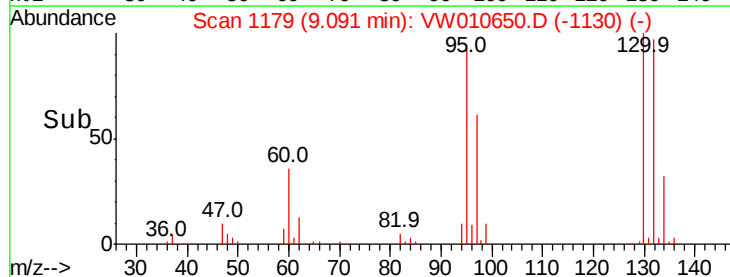
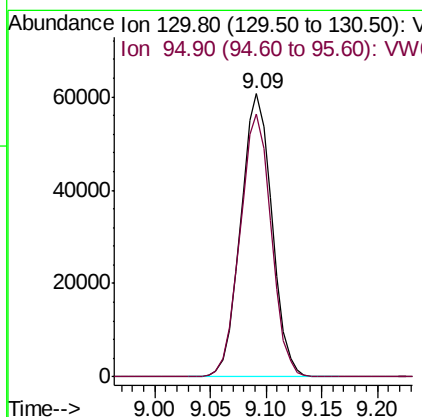
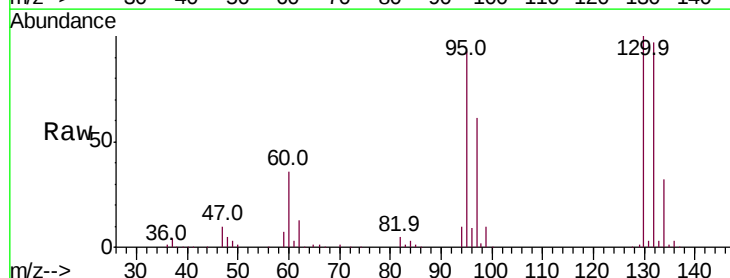
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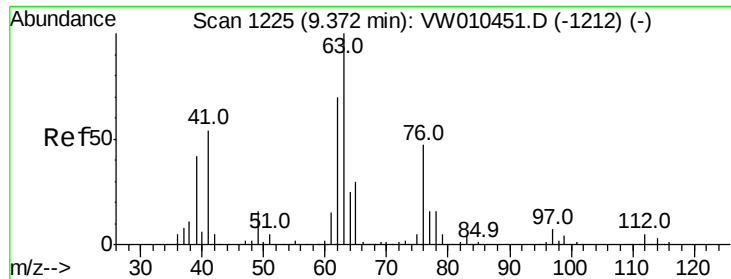
MMDadoda
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#44
Trichloroethene
Concen: 55.549 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	189.6





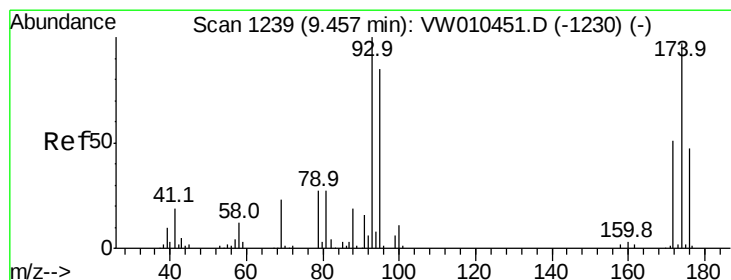
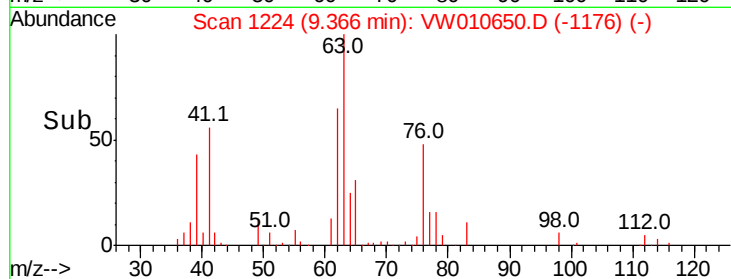
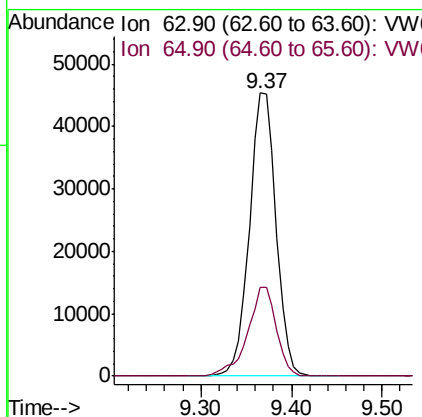
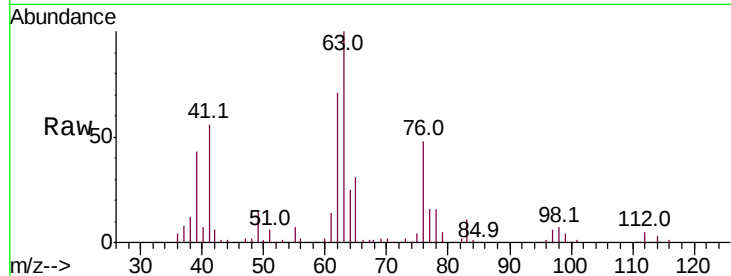
#45
 1,2-Dichloropropane
 Concen: 54.236 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 63 Resp: 92246
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5

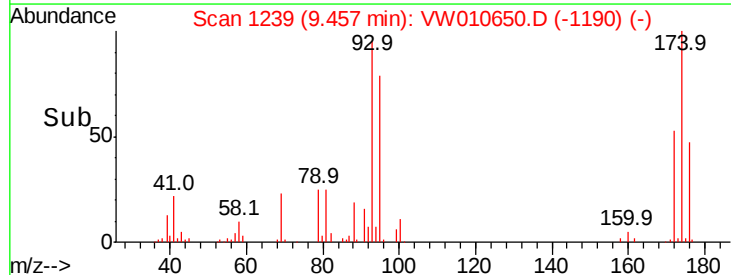
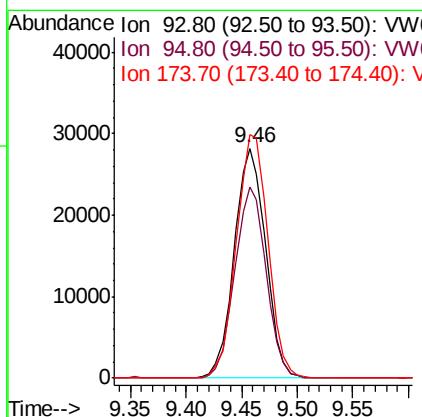
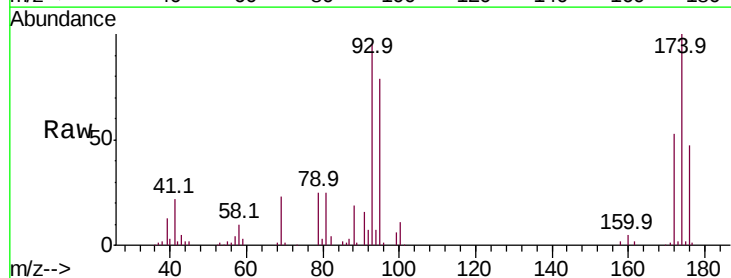
Manual Integrations
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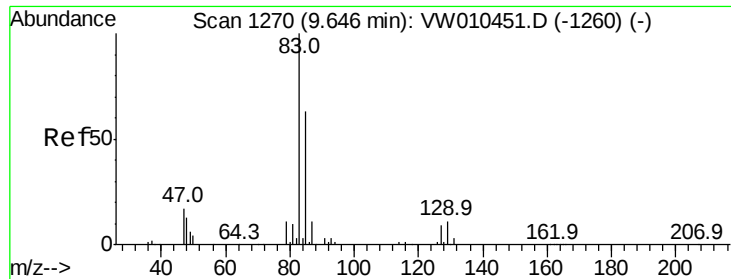
MMDadoda
 6/4/2019 8:44:34 AM



#46
 Dibromomethane
 Concen: 55.202 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion: 93 Resp: 54908
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.1 99.1
 174 107.6 77.1 115.7





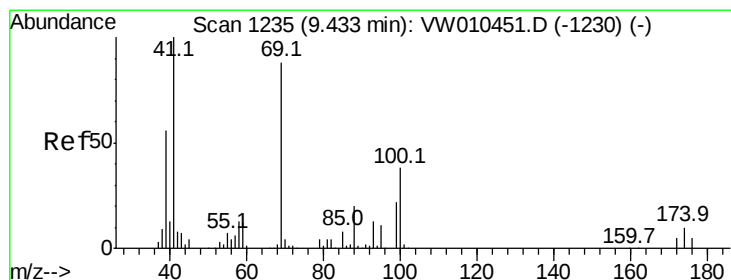
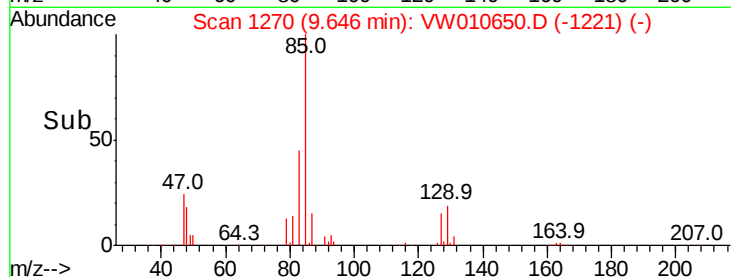
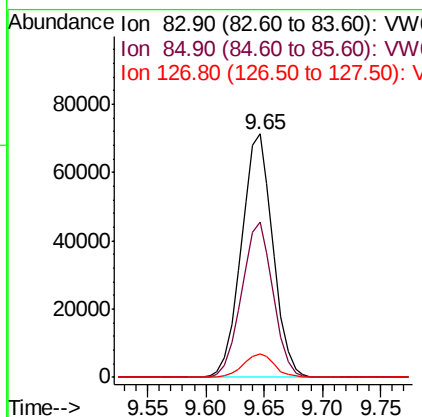
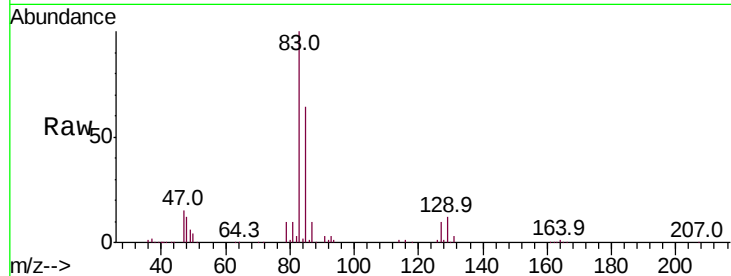
#47
 Bromodichloromethane
 Concen: 53.648 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	50.4	75.6	
127	9.8	7.4	11.0	

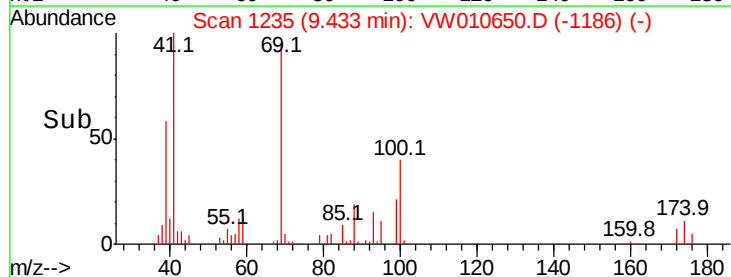
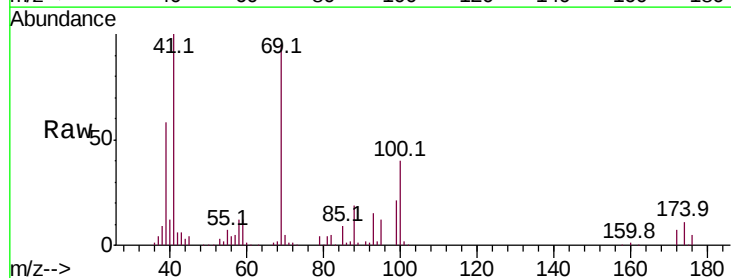
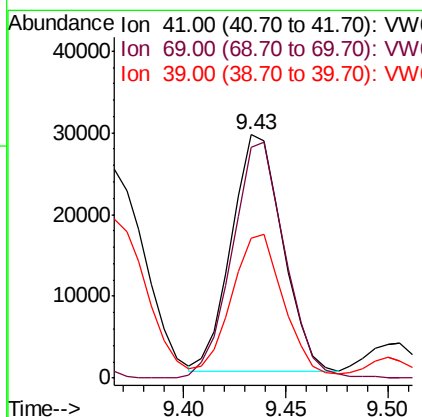
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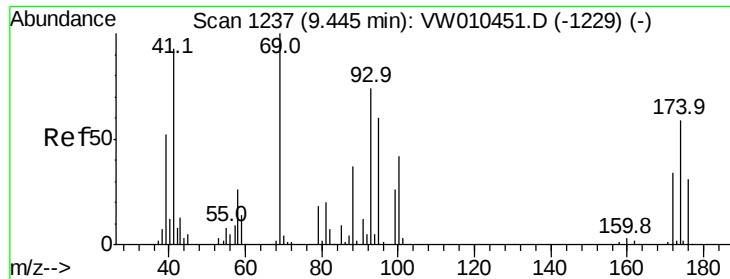
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 6/4/2019 8:44:34 AM



#48
 Methyl methacrylate
 Concen: 50.208 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	103.3	77.6	116.4	
39	63.7	49.8	74.8	





#49

1,4-Dioxane

Concen: 1076.697 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 17495

Ion Ratio Lower Upper

88 100

43 28.9 25.9 38.9

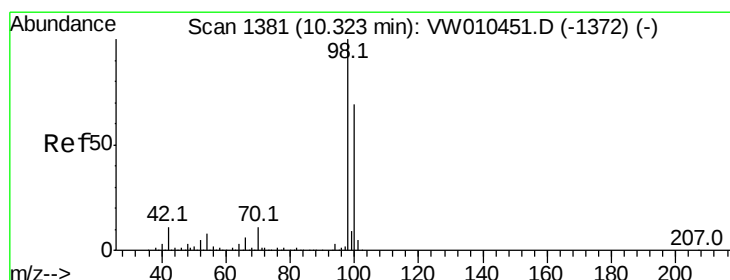
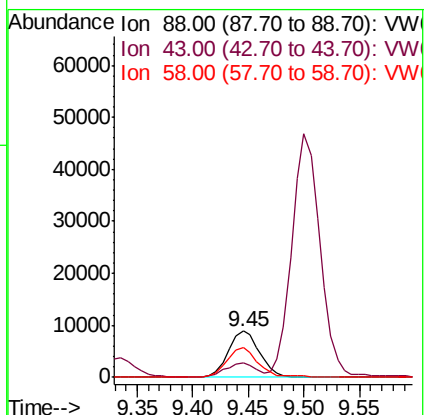
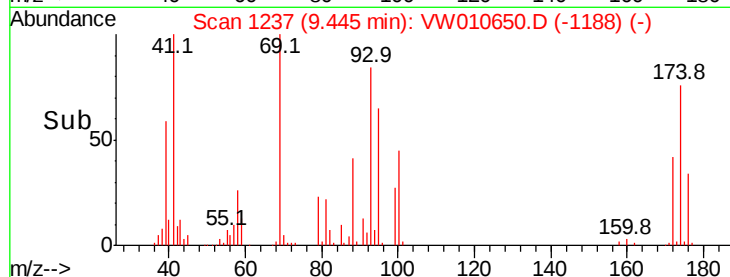
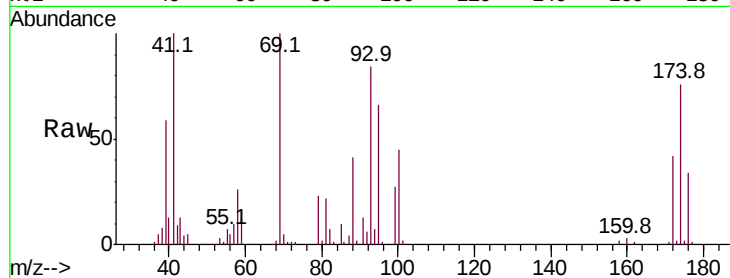
58 61.9 52.7 79.1

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#50

Toluene-d8

Concen: 52.242 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010650.D

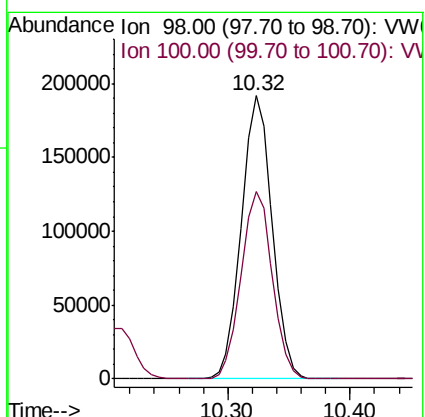
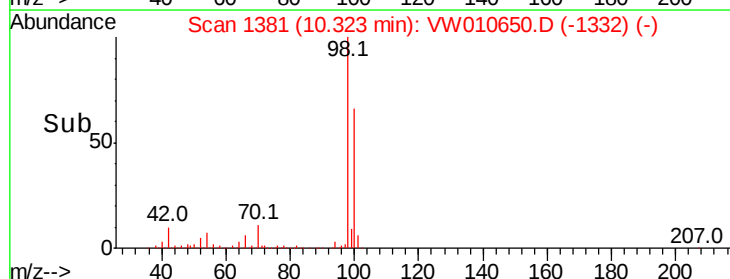
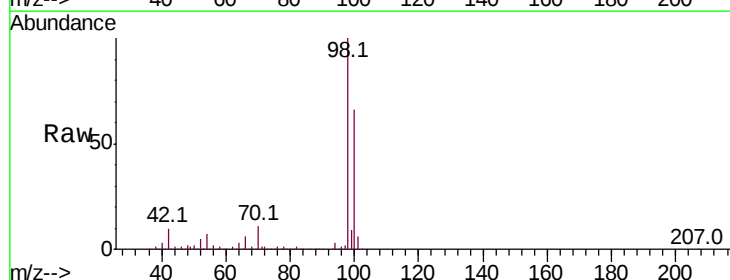
Acq: 31 May 2019 21:53

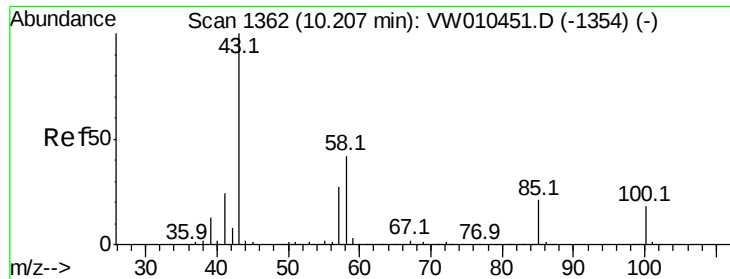
Tgt Ion: 98 Resp: 334950

Ion Ratio Lower Upper

98 100

100 67.0 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 266.294 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 295370

Ion Ratio Lower Upper

43 100

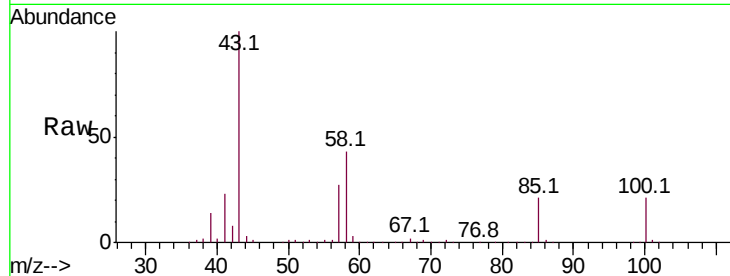
58 42.3 33.2 49.8

Manual Integrations

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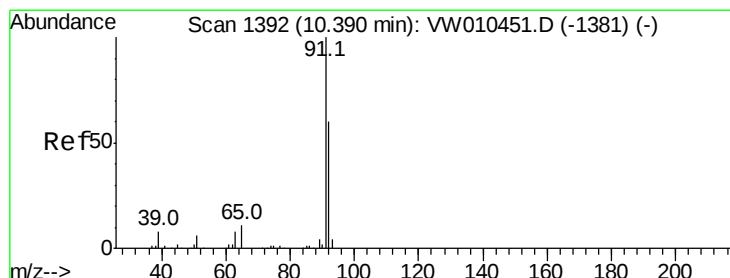
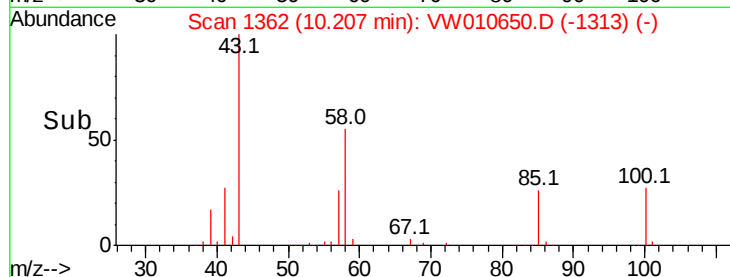
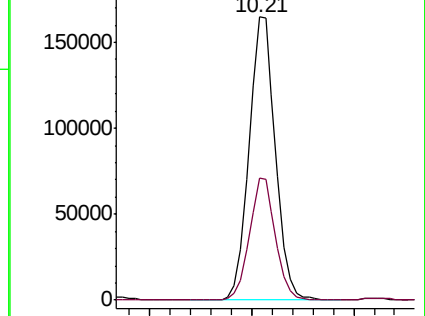
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 54.079 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010650.D

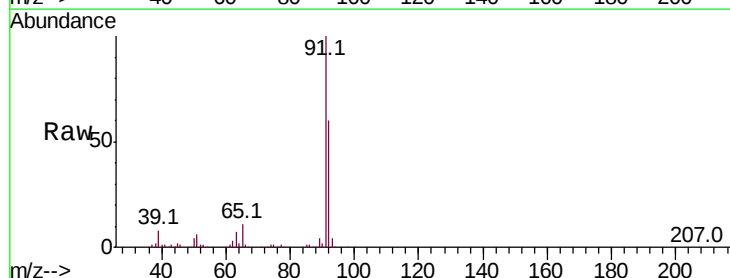
Acq: 31 May 2019 21:53

Tgt Ion: 92 Resp: 260090

Ion Ratio Lower Upper

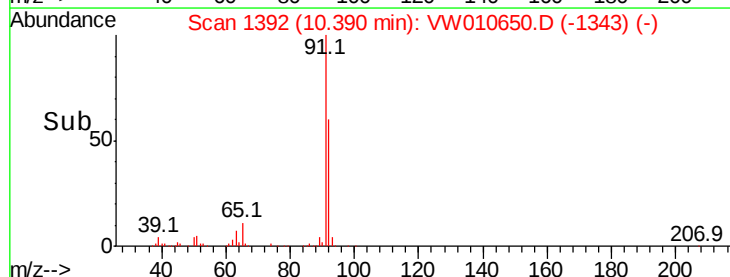
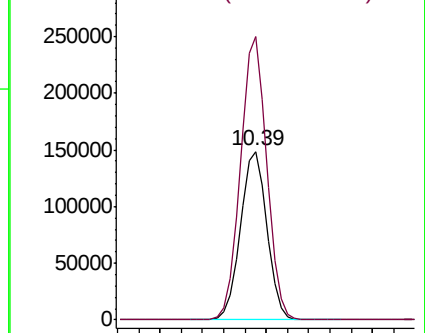
92 100

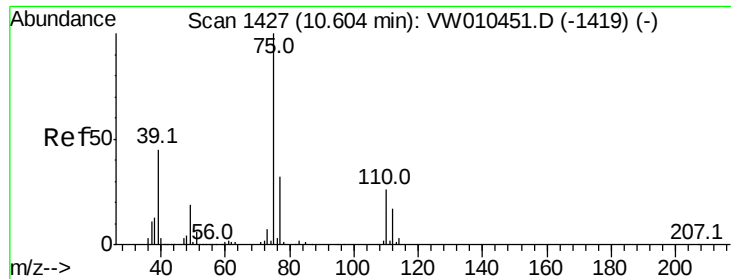
91 166.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





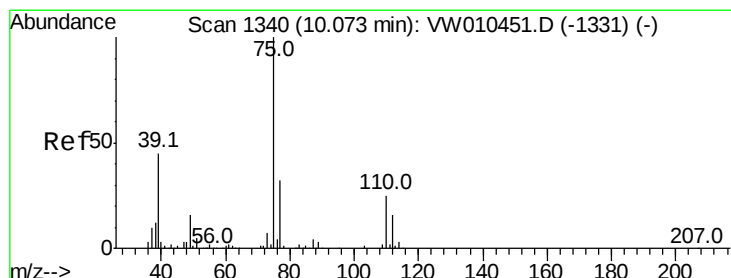
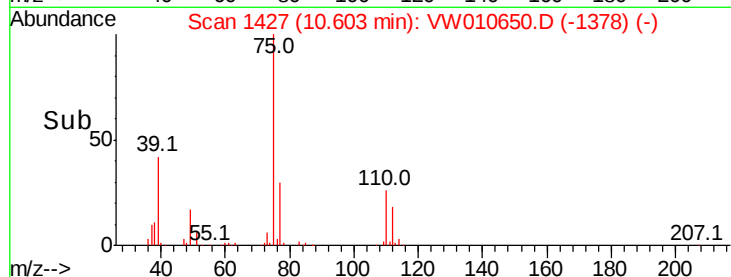
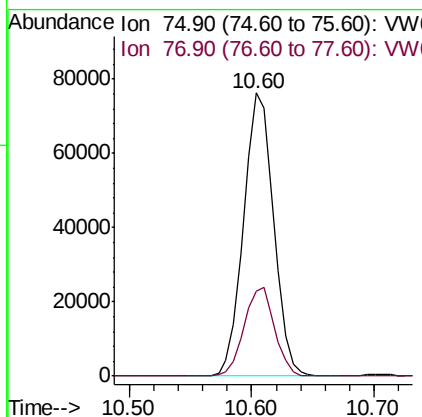
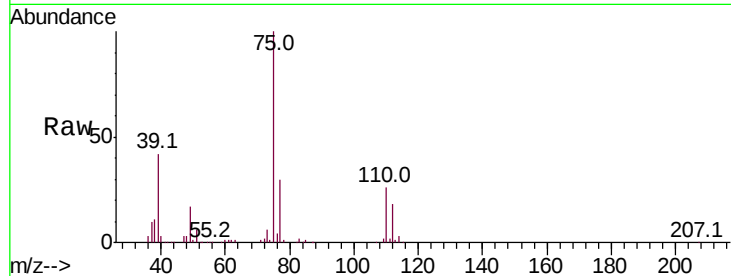
#53
 t-1,3-Dichloropropene
 Concen: 51.559 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.0

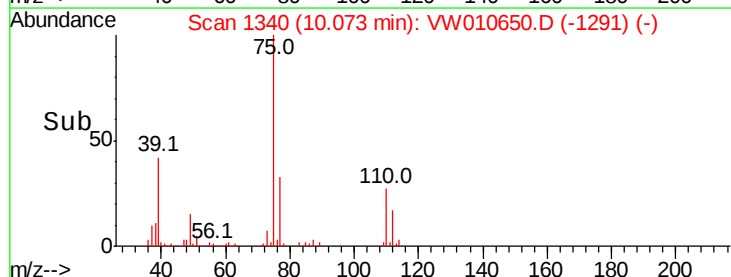
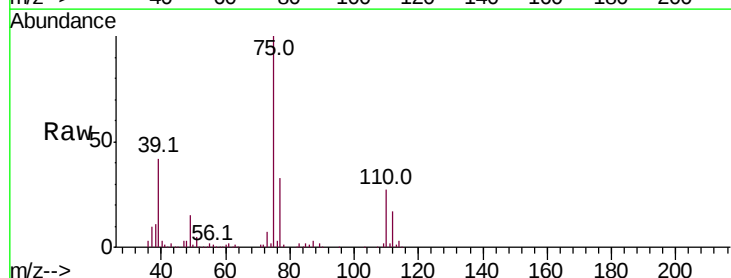
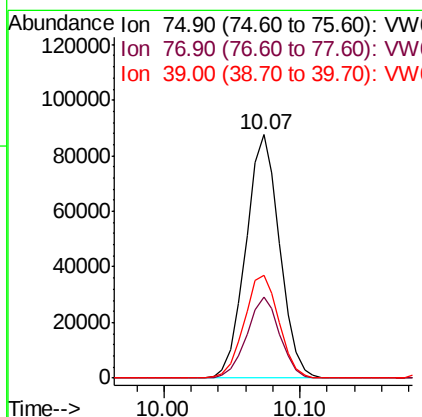
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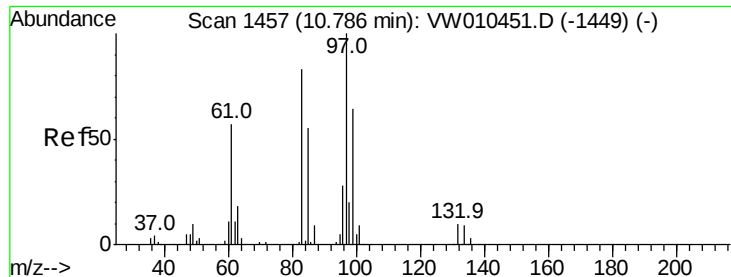
MMDadoda
 6/4/2019 8:44:34 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.667 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.7	38.5
39	42.3	36.2	54.4





#55

1,1,2-Trichloroethane

Concen: 57.022 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 81562

Ion Ratio Lower Upper

97 100

83 77.6 66.1 99.1

85 50.8 44.2 66.4

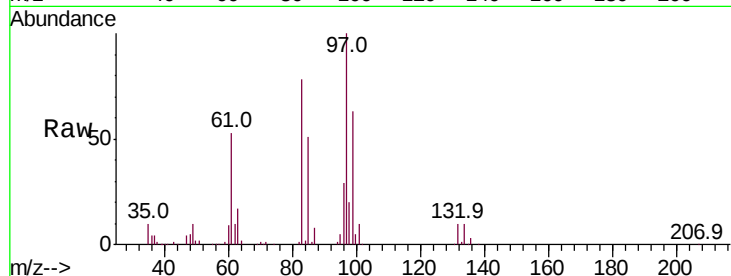
99 63.0 51.1 76.7

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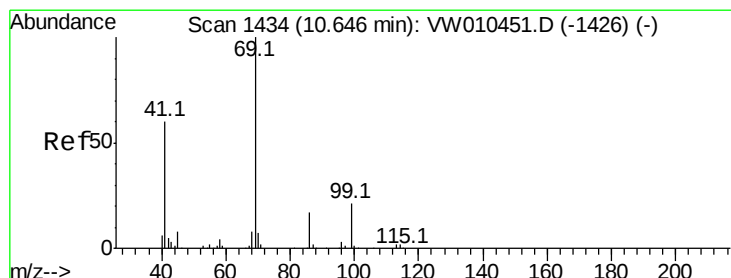
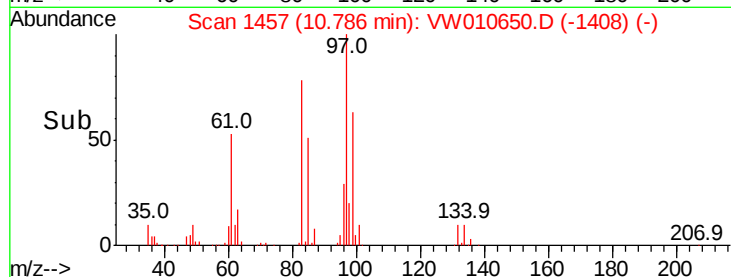
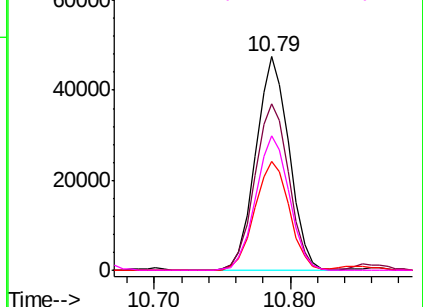


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 53.161 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

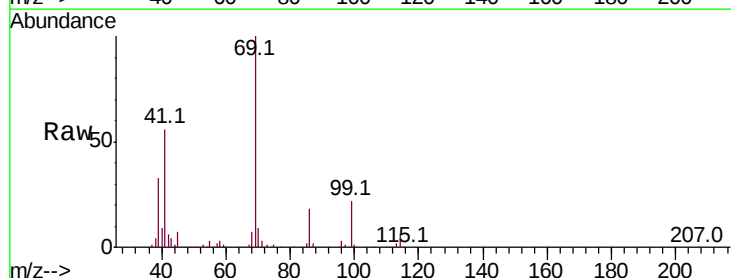
Tgt Ion: 69 Resp: 104871

Ion Ratio Lower Upper

69 100

41 57.7 47.7 71.5

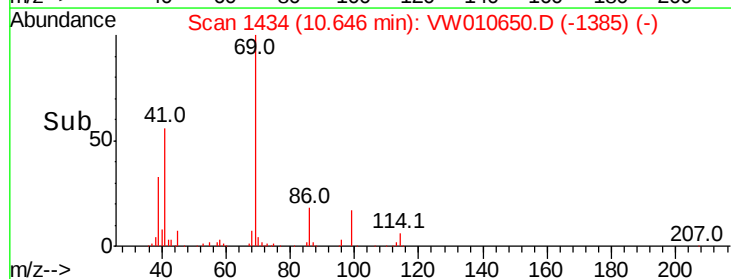
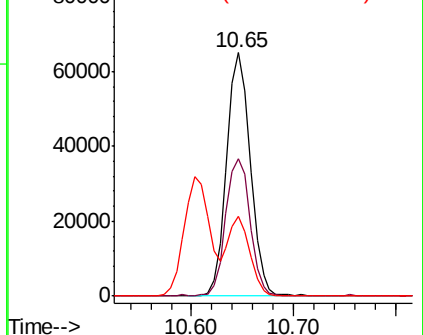
39 30.5 25.3 37.9

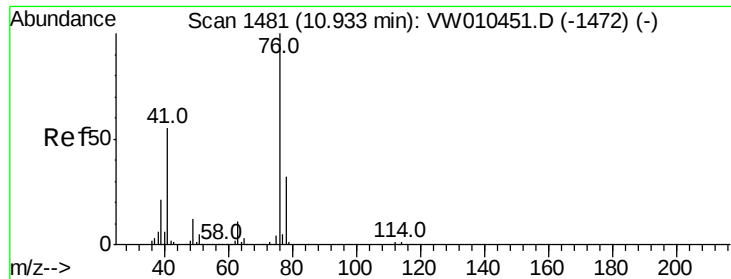


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 55.515 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 133011

Ion Ratio Lower Upper

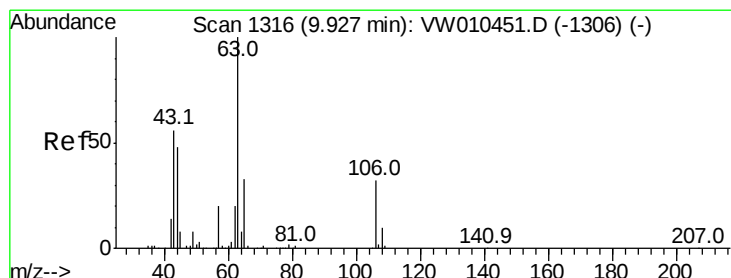
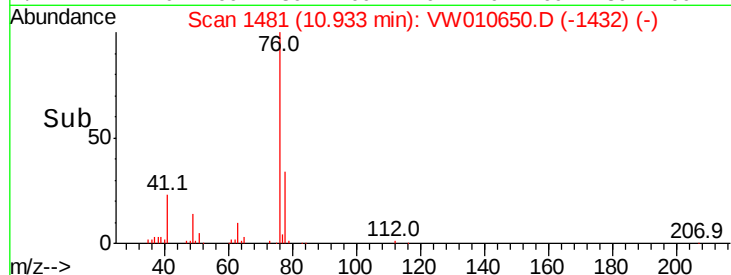
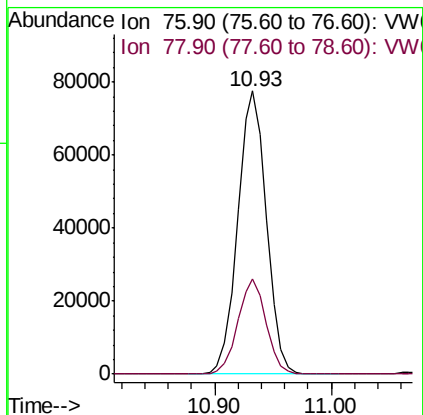
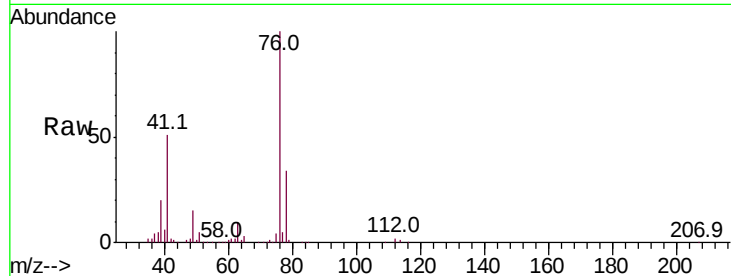
76 100

78 33.0 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 278.236 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010650.D

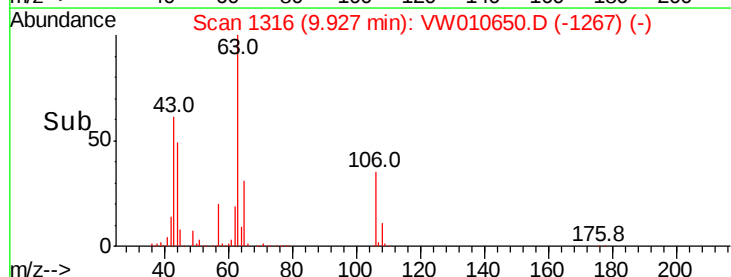
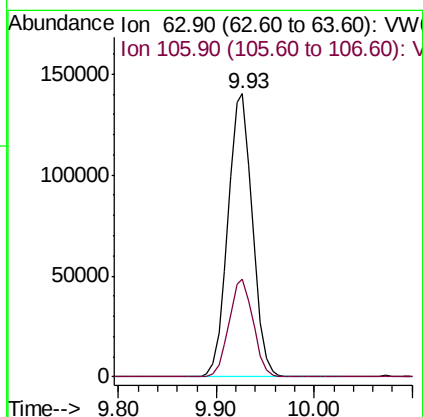
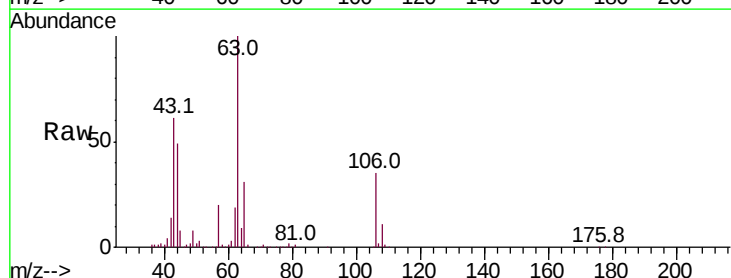
Acq: 31 May 2019 21:53

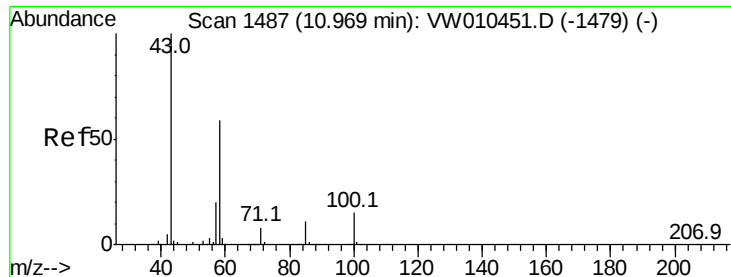
Tgt Ion: 63 Resp: 243115

Ion Ratio Lower Upper

63 100

106 34.0 25.8 38.6





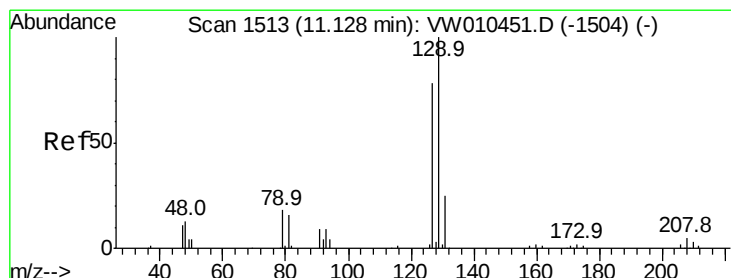
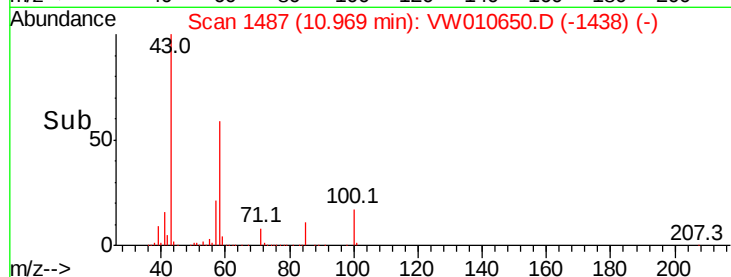
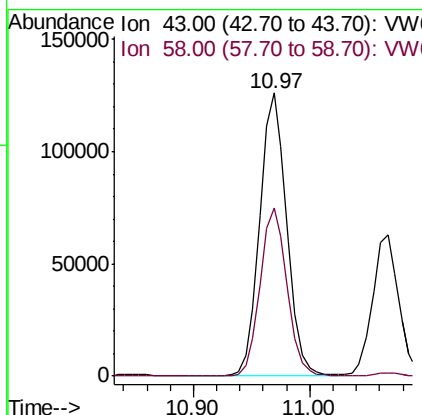
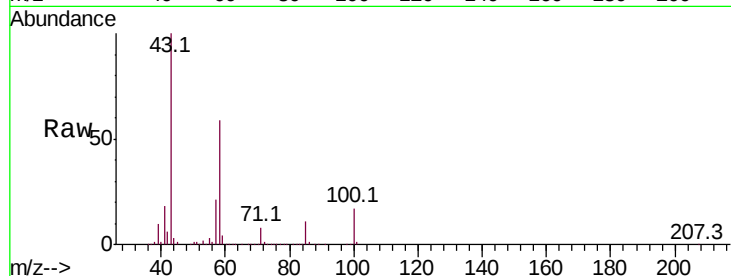
#59
2-Hexanone
Concen: 257.961 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	Resp	204108
Ion	43	58	Ratio	100	Lower	Upper
					28.9	86.8

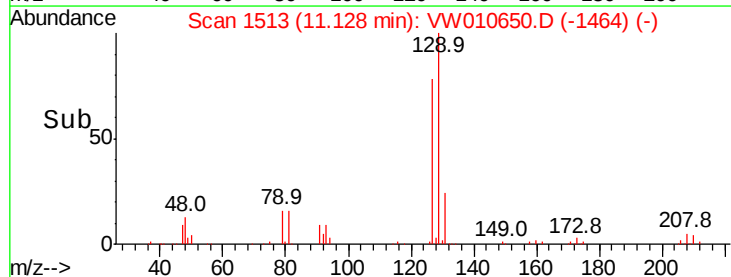
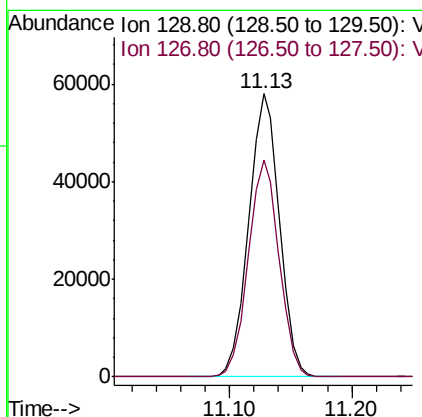
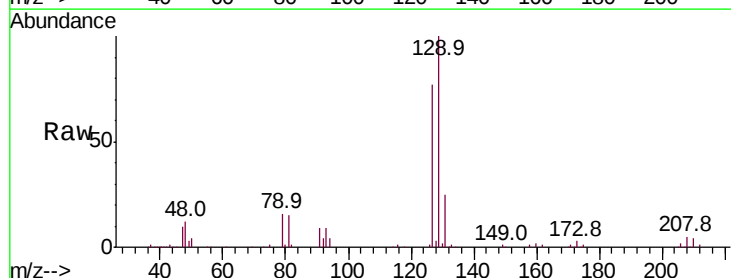
Manual Integrations
APPROVED

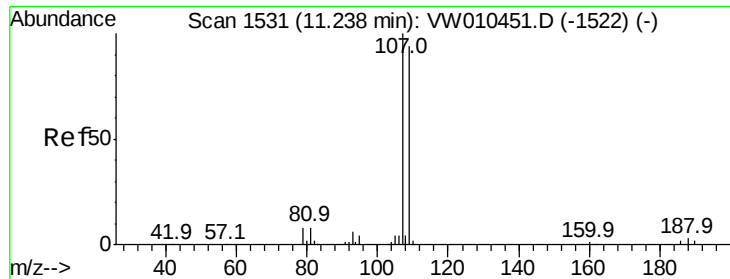
MMDadoda
6/4/2019 8:44:34 AM



#60
Dibromochloromethane
Concen: 55.999 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	129	127	Ratio	100	Resp	101374
Ion	129	127	Ratio	100	Lower	Upper
					38.9	116.7





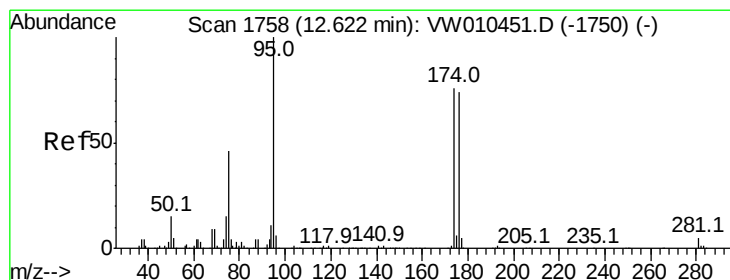
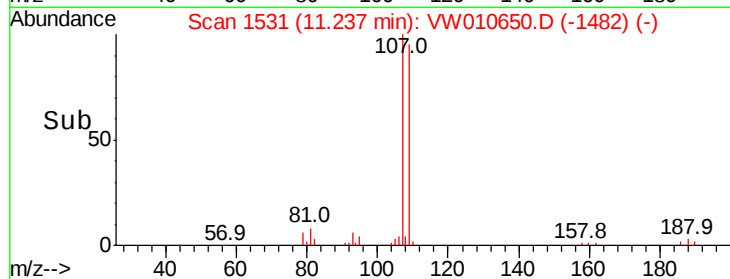
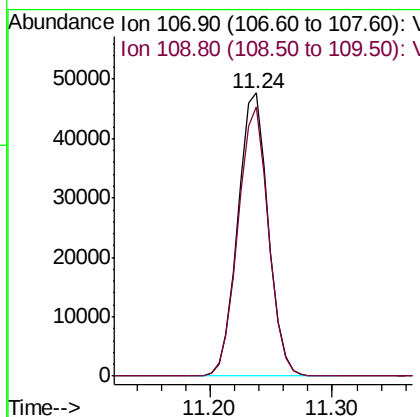
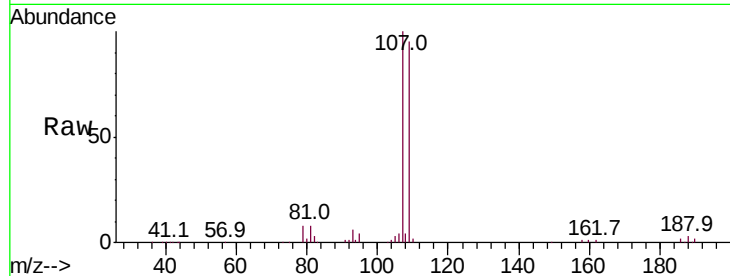
#61
 1,2-Dibromoethane
 Concen: 56.518 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.0	112.4

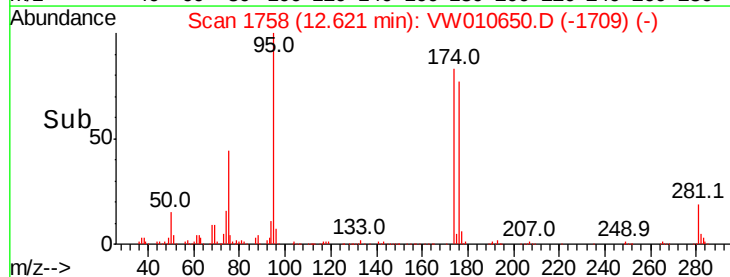
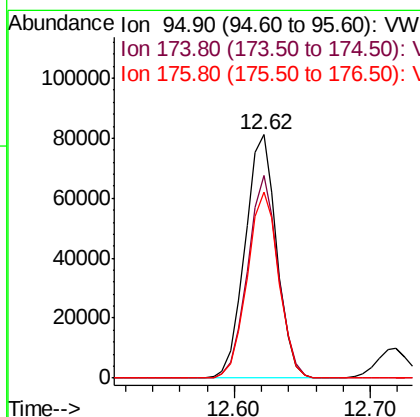
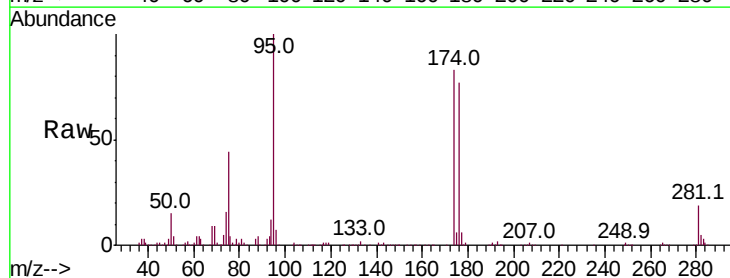
Manual Integrations
 APPROVED

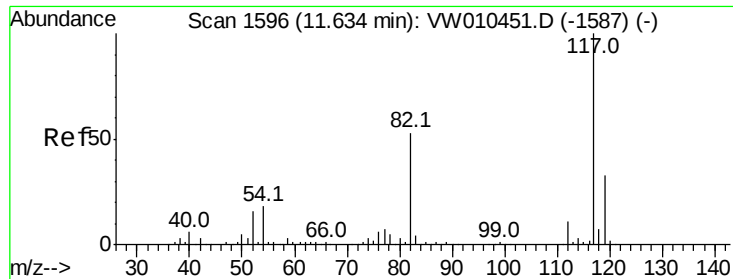
MMDadoda
 6/4/2019 8:44:34 AM



#62
 4-Bromofluorobenzene
 Concen: 51.514 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	148.6
176	76.7	0.0	144.2





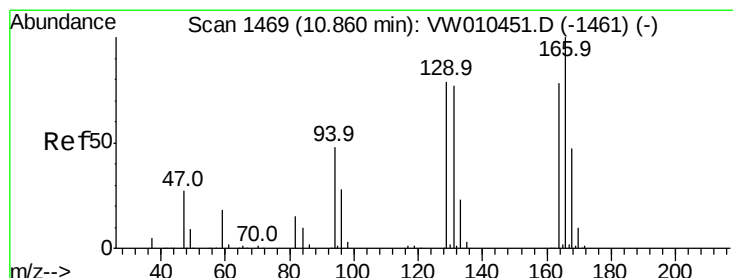
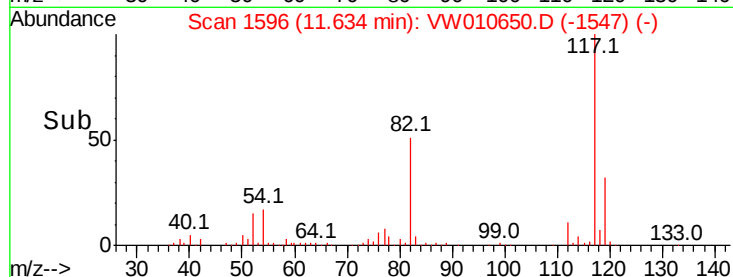
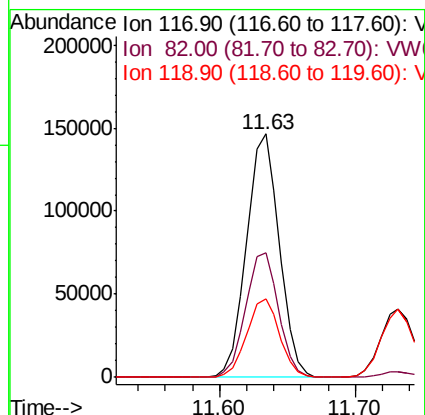
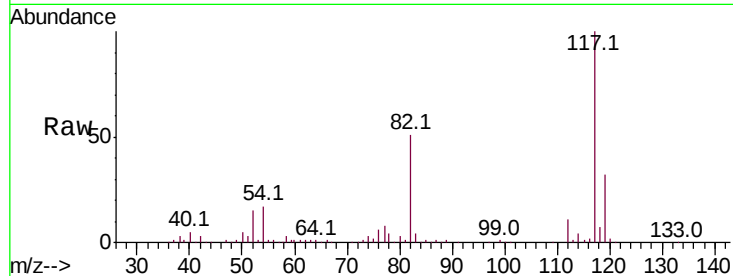
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246984		
82	51.4	42.8	64.2	
119	32.2	26.3	39.5	

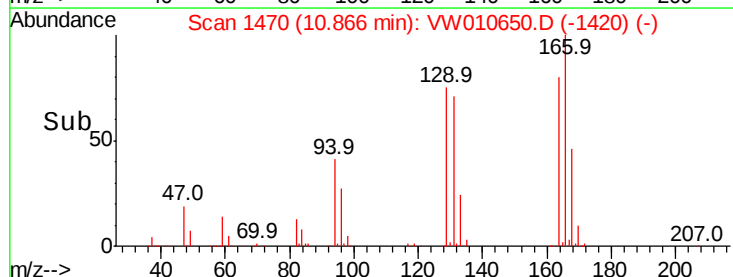
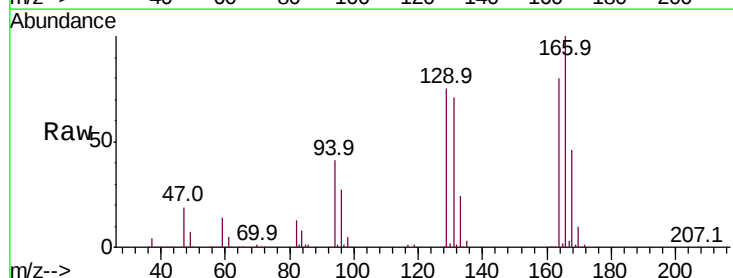
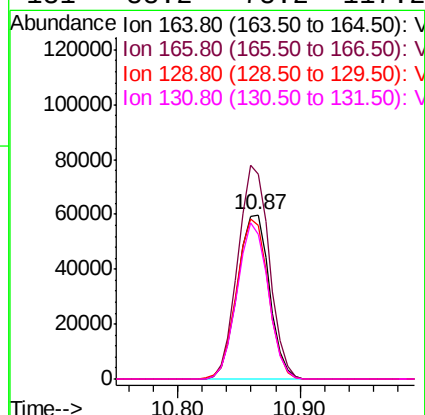
Manual Integrations
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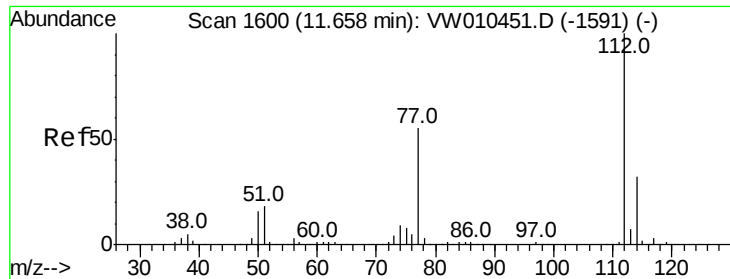
MMDadoda
6/4/2019 8:44:34 AM



#64
Tetrachloroethene
Concen: 62.866 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108237		
166	124.7	101.9	152.9	
129	94.0	80.6	121.0	
131	88.2	78.2	117.2	





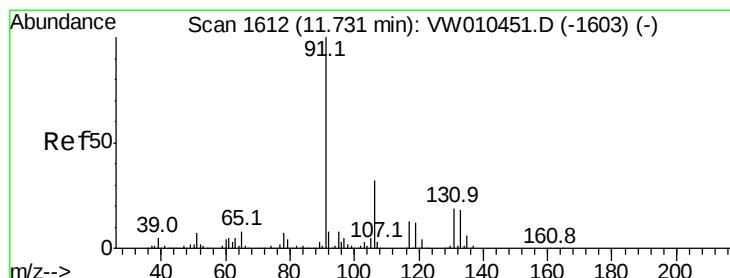
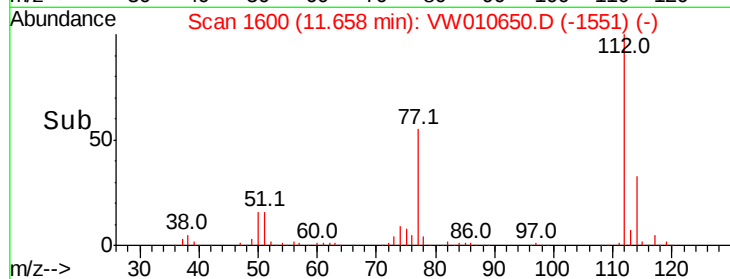
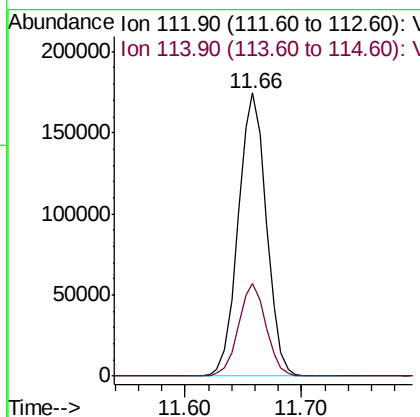
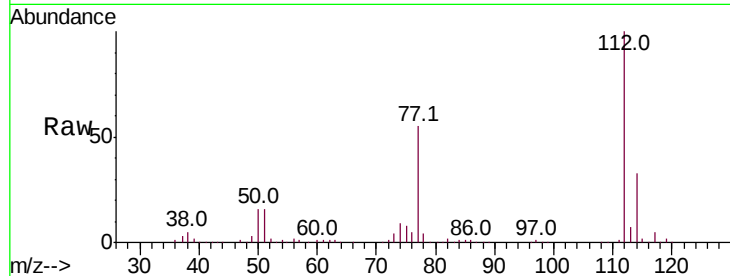
#65
Chlorobenzene
Concen: 55.632 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.3	37.9

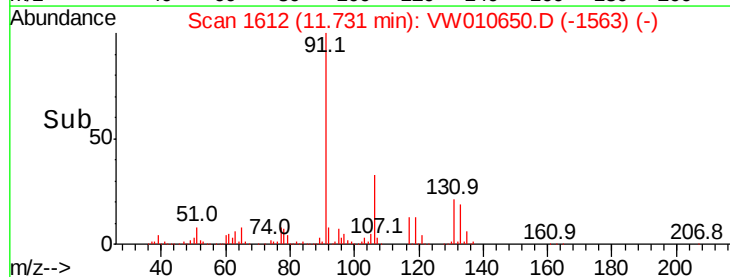
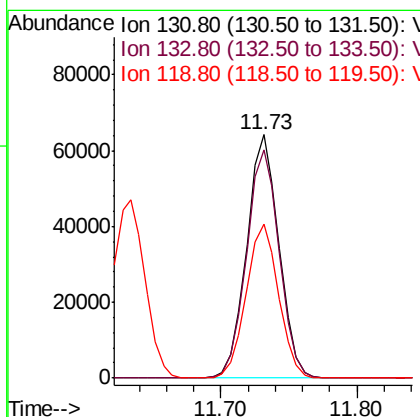
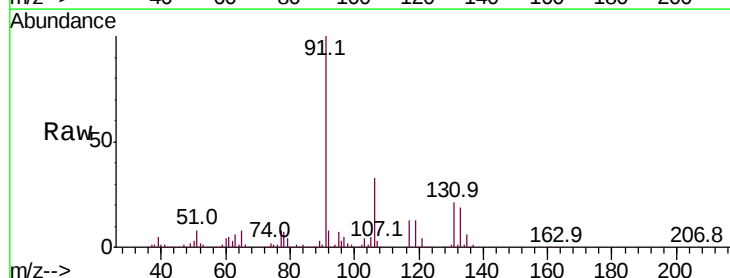
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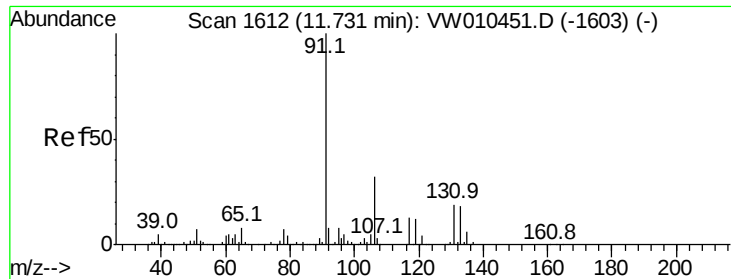
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.412 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.9
119	63.8	32.1	96.5





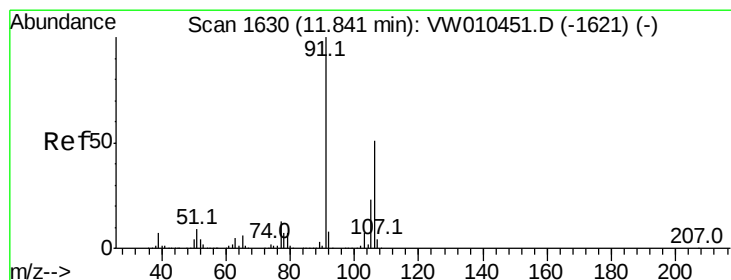
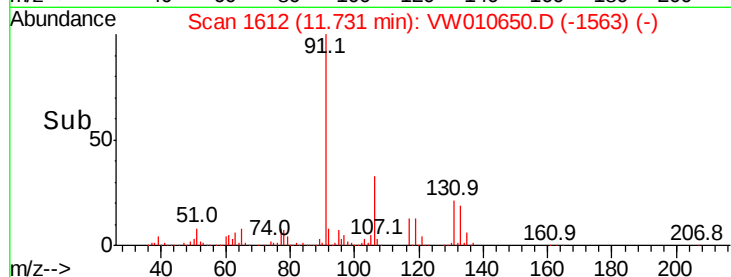
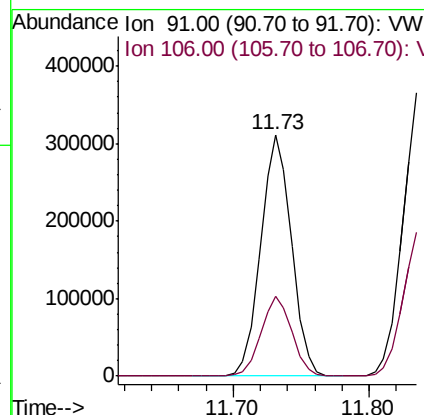
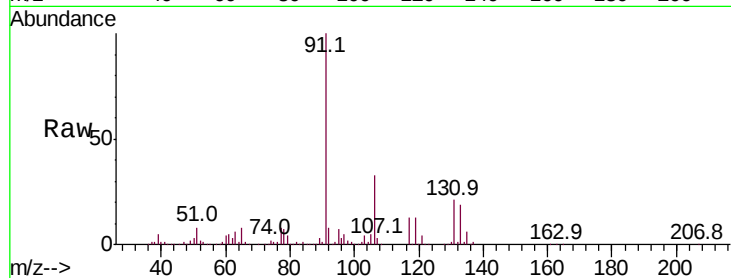
#67
Ethyl Benzene
Concen: 53.093 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.3	25.9	38.9

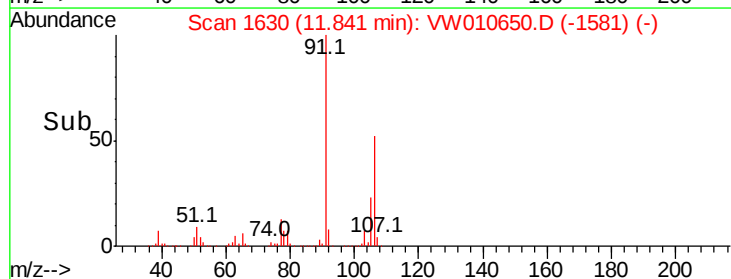
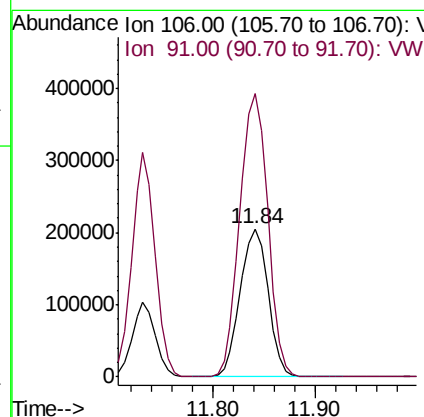
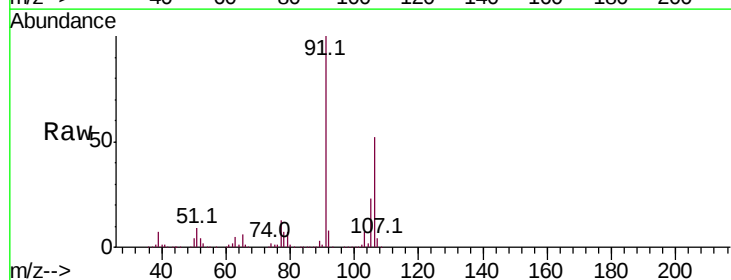
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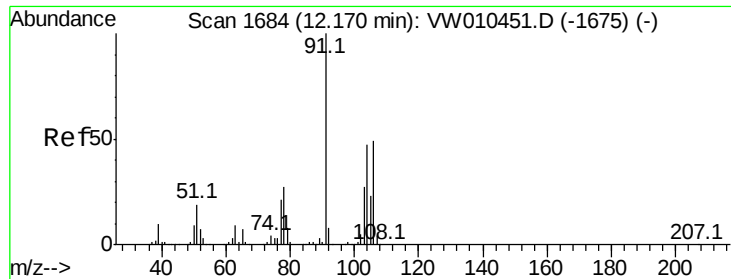
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#68
m/p-Xylenes
Concen: 107.075 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	191.9	156.0	234.0





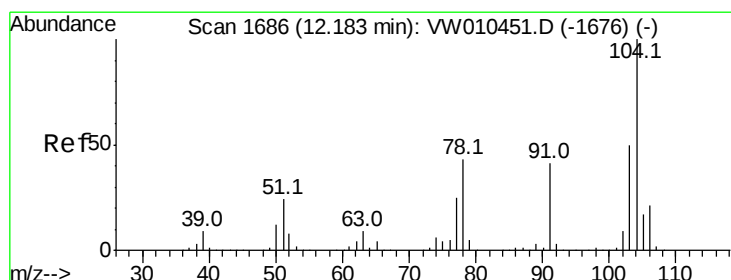
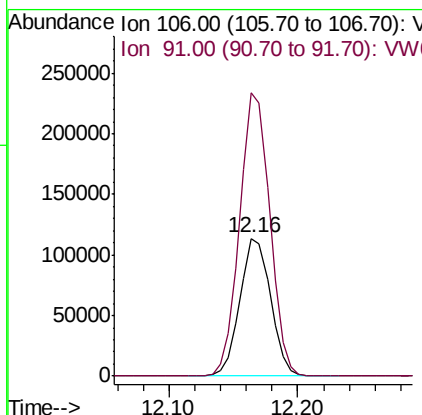
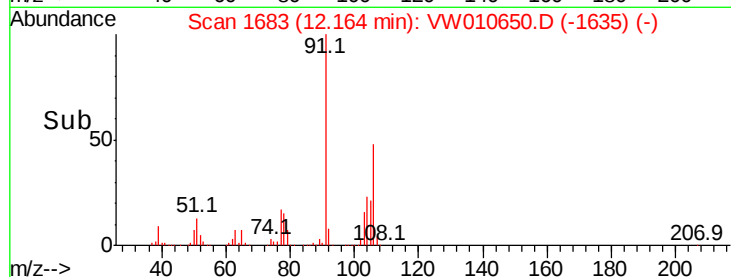
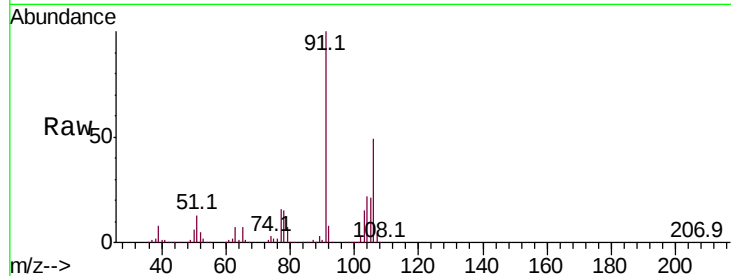
#69
o-Xylene
Concen: 54.186 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.2	103.2	309.4

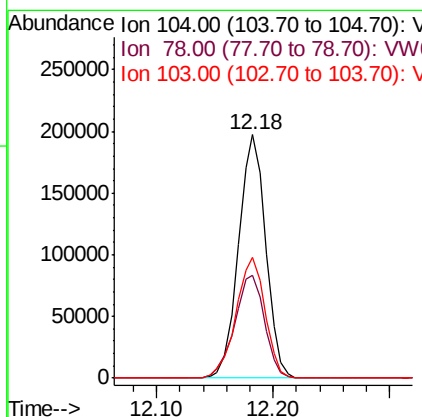
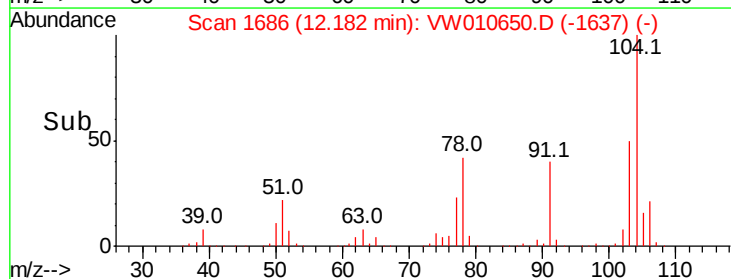
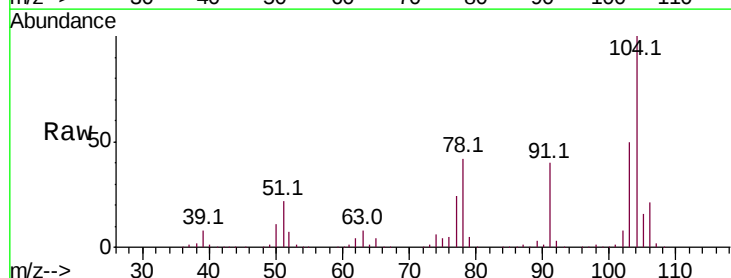
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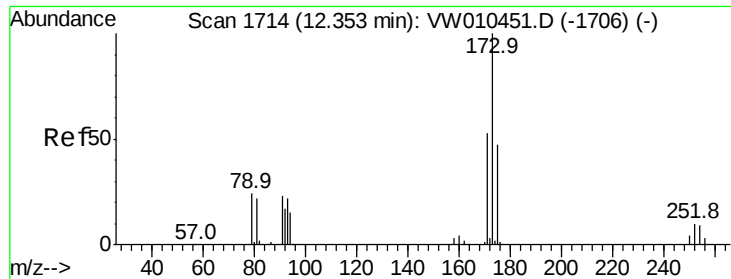
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#70
Styrene
Concen: 54.836 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	39.0	58.4
103	53.1	43.0	64.6





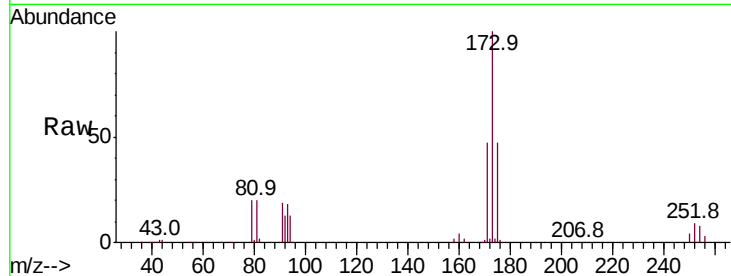
#71
Bromoform
Concen: 55.679 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

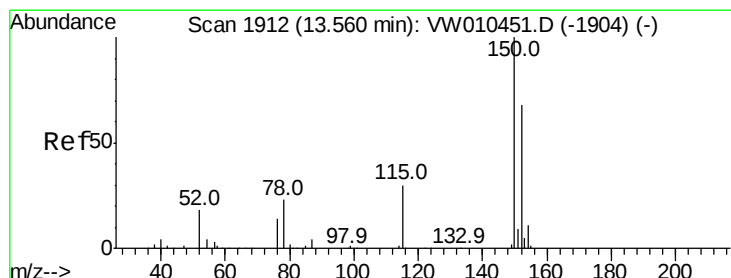
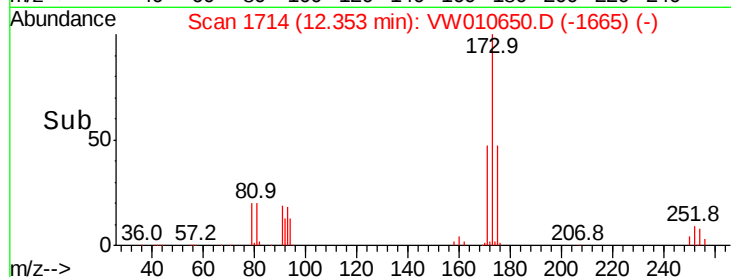
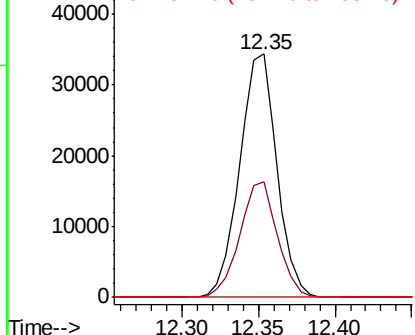
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.4
254	0.0	0.0	0.0

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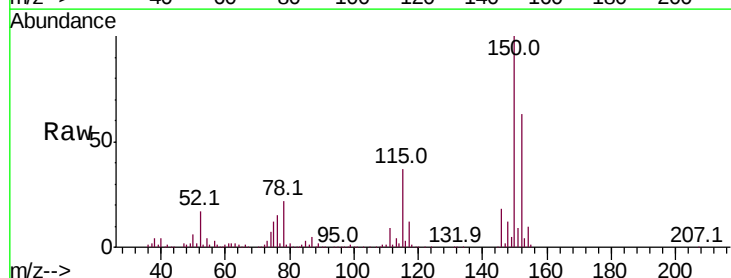


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

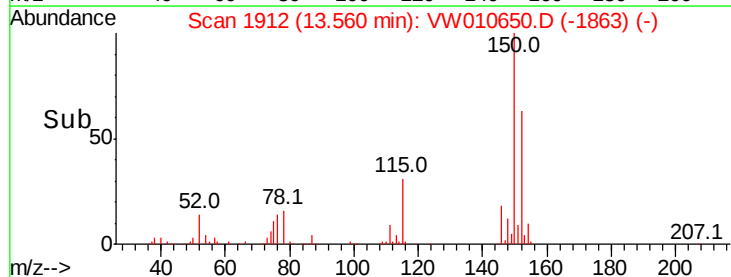
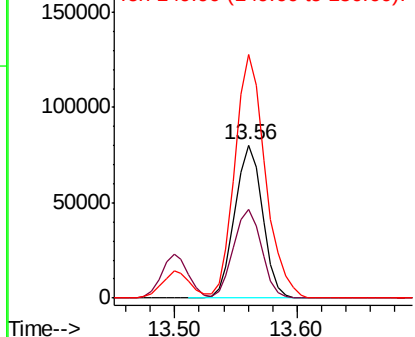


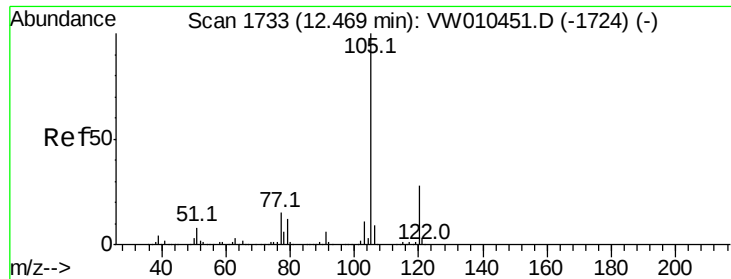
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.3	91.0
150	174.6	0.0	349.8



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





#73

Isopropylbenzene

Concen: 50.038 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 498692

Ion Ratio Lower Upper

105 100

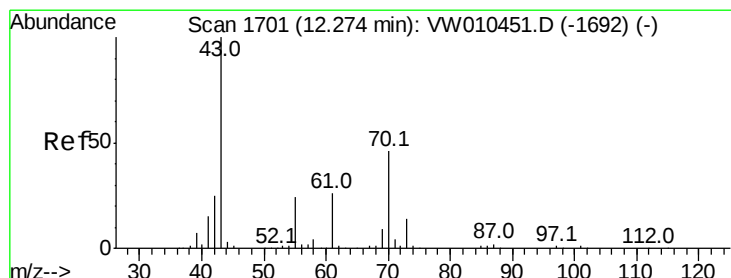
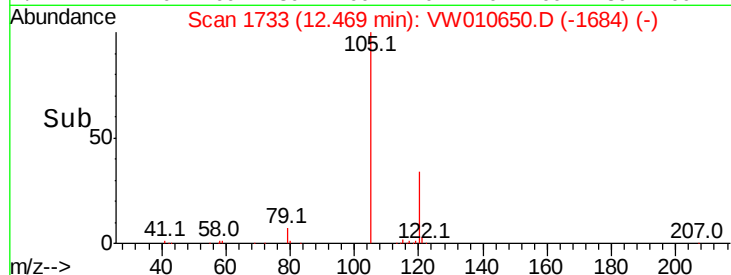
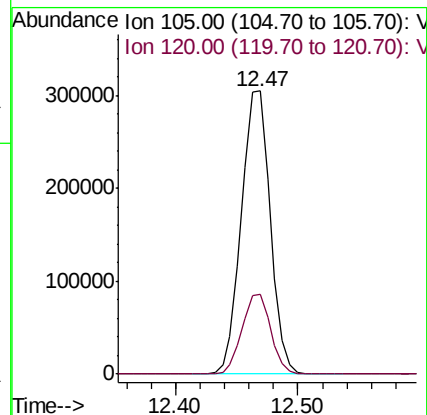
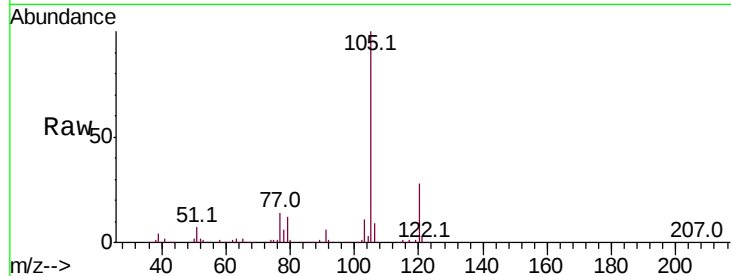
120 27.9 13.9 41.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.336 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion: 43 Resp: 108106

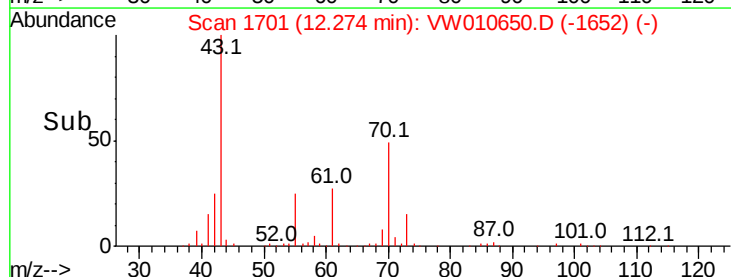
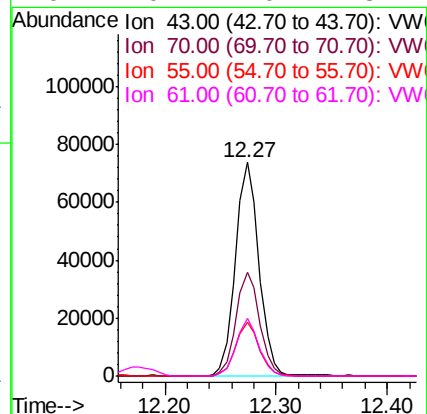
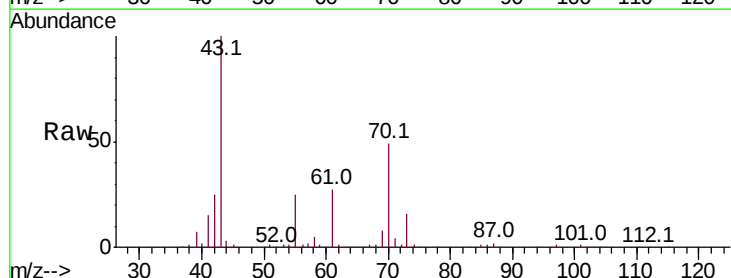
Ion Ratio Lower Upper

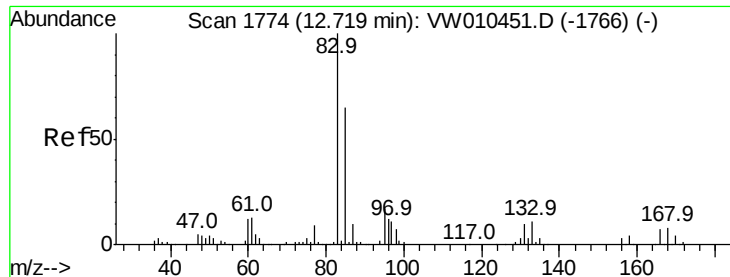
43 100

70 48.9 37.1 55.7

55 25.4 19.6 29.4

61 26.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.956 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

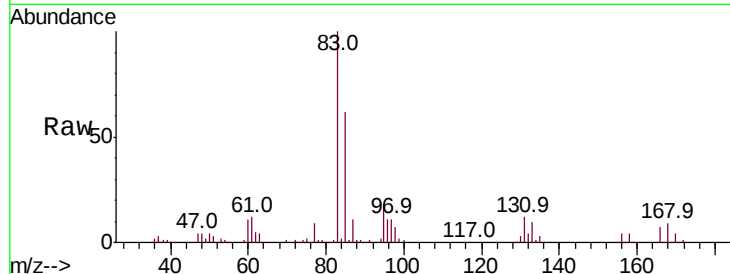
ClientSampleId :

VSTDCCC050EC

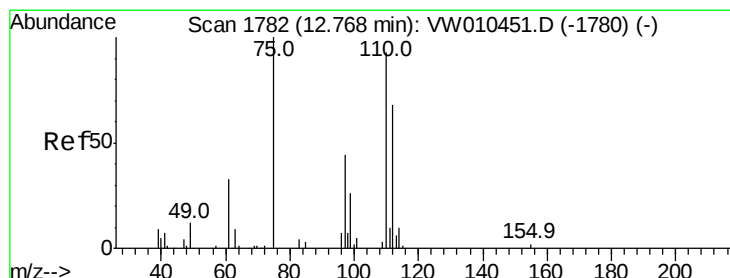
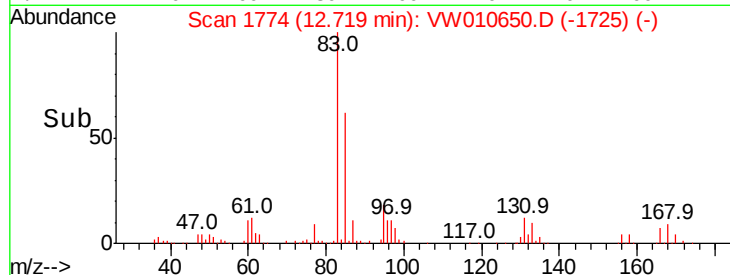
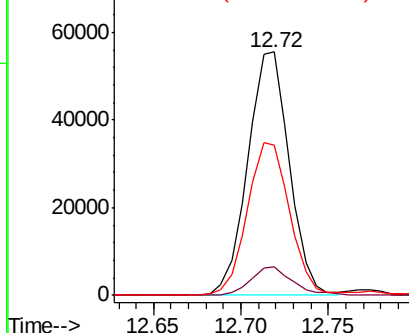
Tot Ion:	83	Resp:	92369
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.6	16.8
85	63.8	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 48.687 ug/l m

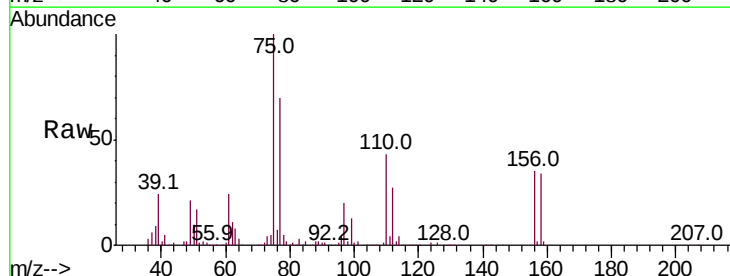
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

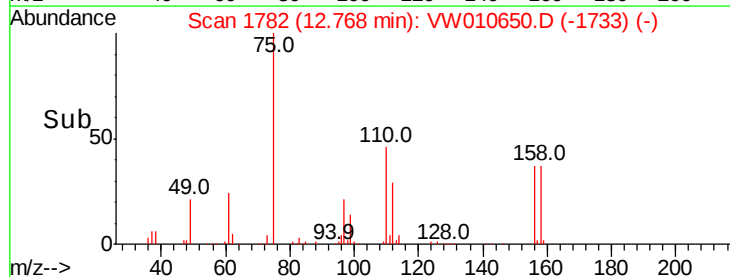
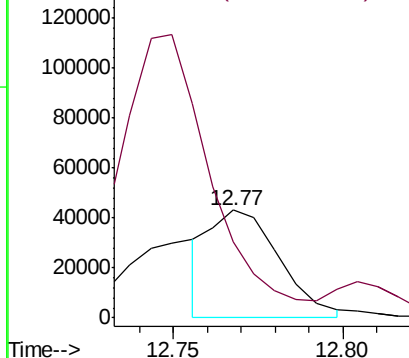
Lab File: VW010650.D

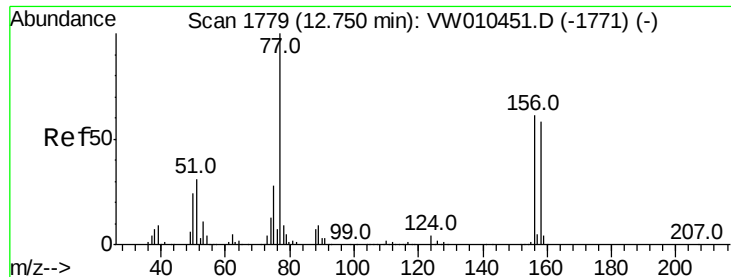
Acq: 31 May 2019 21:53

Tgt Ion:	75	Resp:	62069
Ion Ratio	Lower	Upper	
75	100		
77	345.6	170.0	510.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 56.195 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

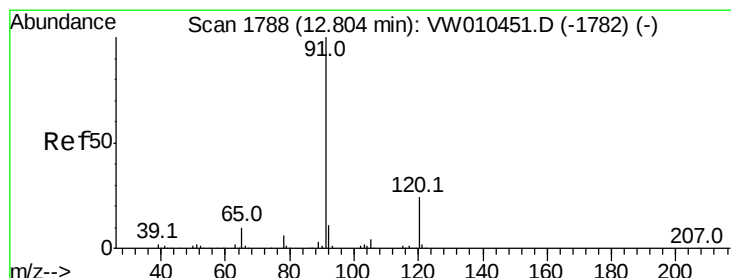
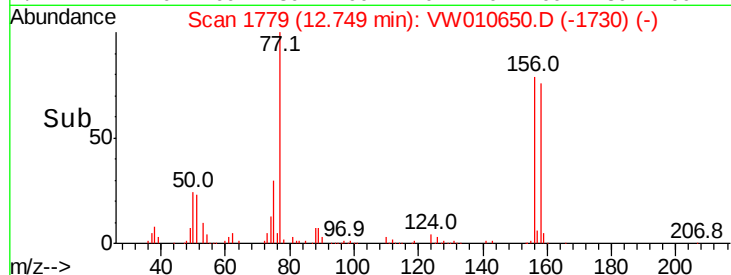
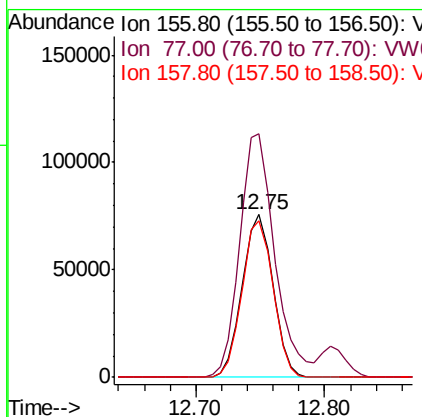
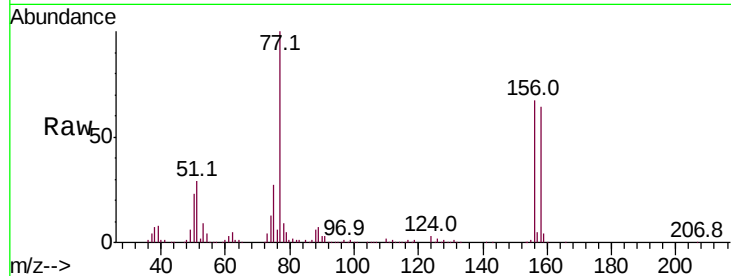
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.2	92.4	277.2
158	97.1	48.3	144.8

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#78

n-propylbenzene

Concen: 48.635 ug/l

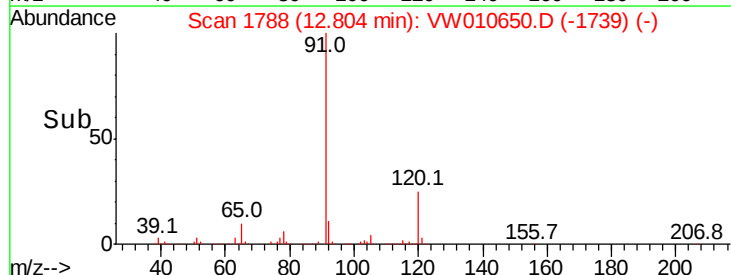
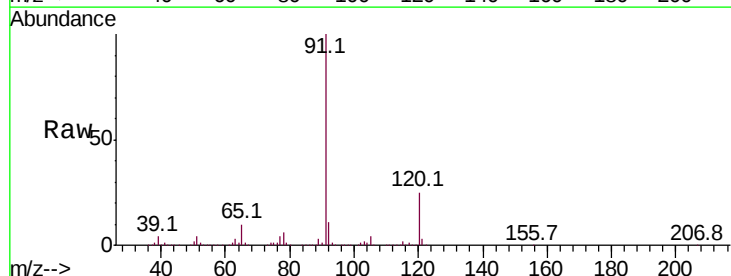
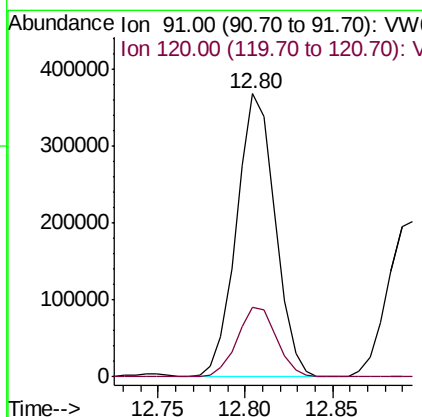
RT: 12.80 min Scan# 1788

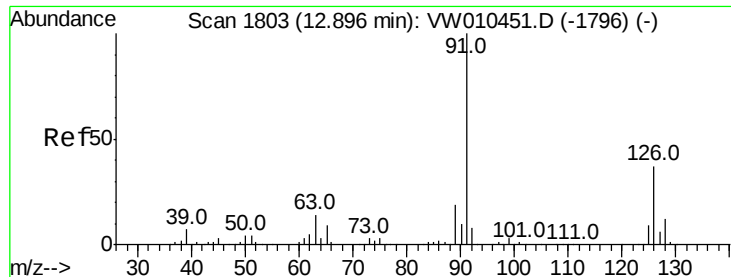
Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.3	36.8





#79

2-Chlorotoluene

Concen: 50.070 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 337245

Ion Ratio Lower Upper

91 100

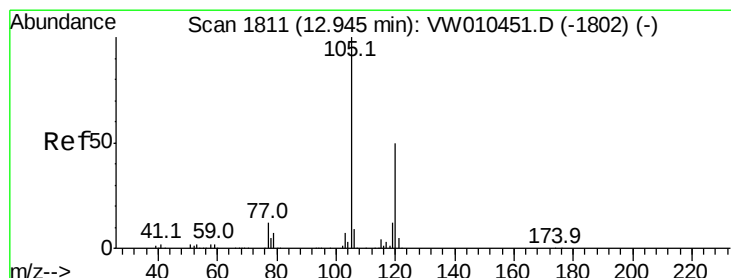
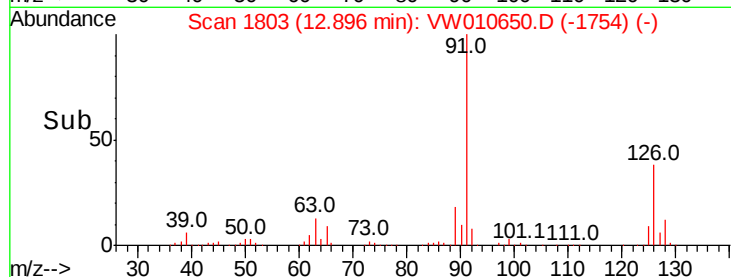
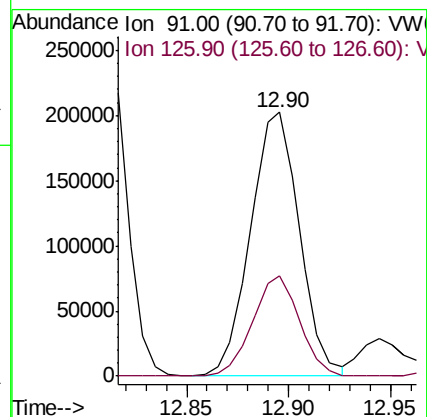
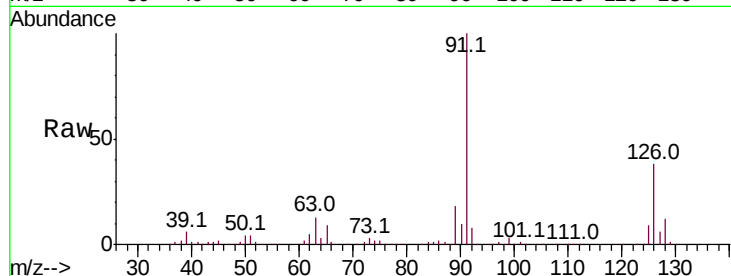
126 36.6 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 50.159 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010650.D

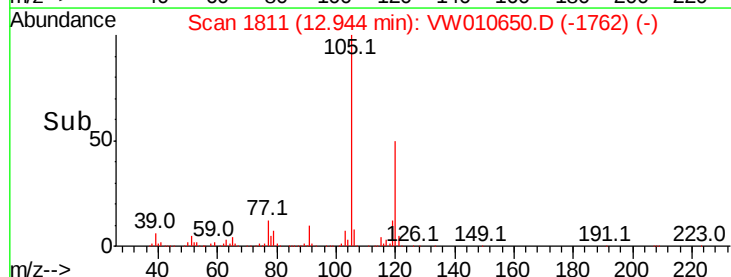
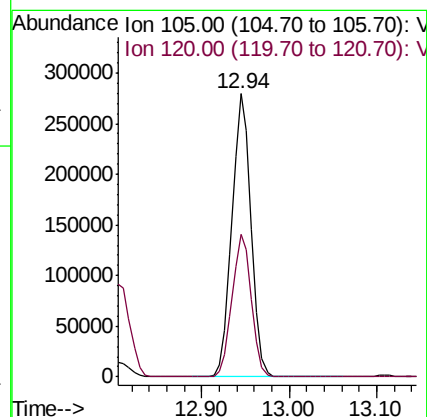
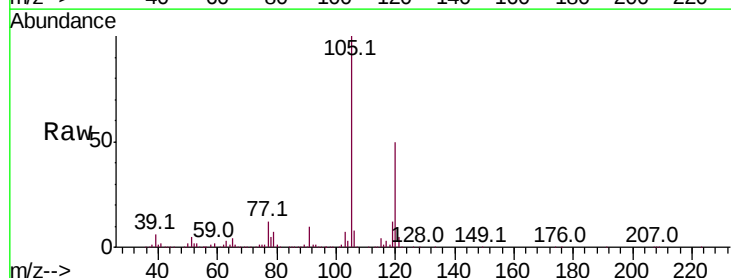
Acq: 31 May 2019 21:53

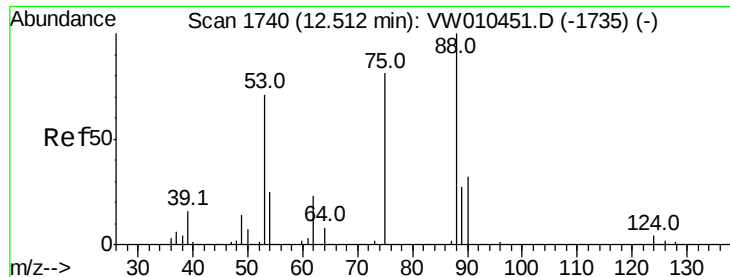
Tgt Ion:105 Resp: 423384

Ion Ratio Lower Upper

105 100

120 50.8 25.2 75.6





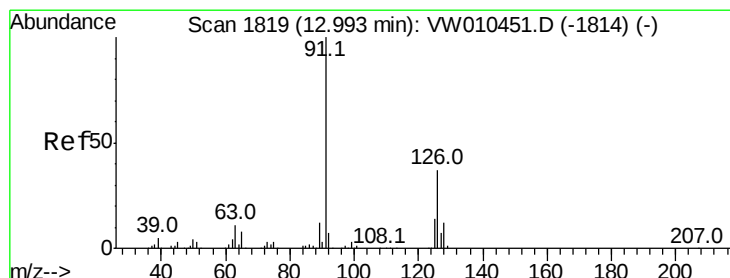
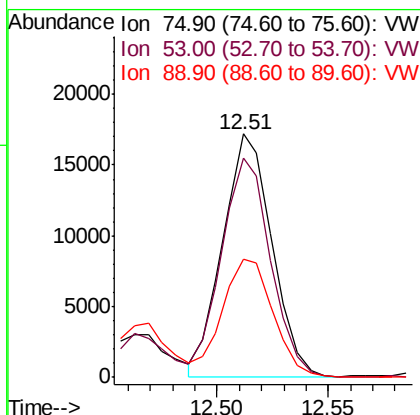
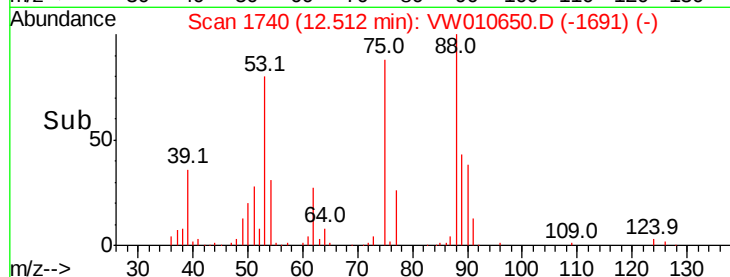
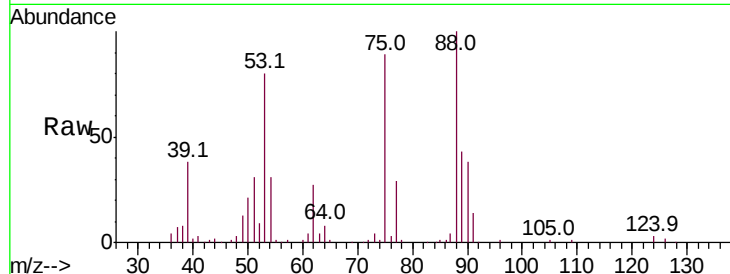
#81
trans-1,4-Dichloro-2-butene
Concen: 43.101 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	69.8	104.8
89	50.5	39.5	59.3

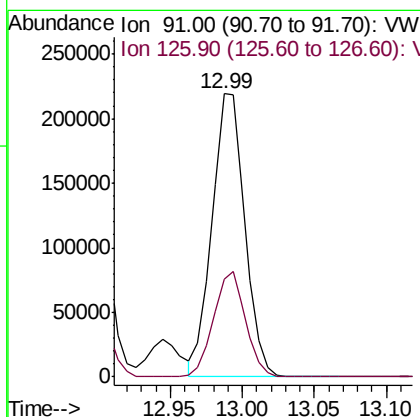
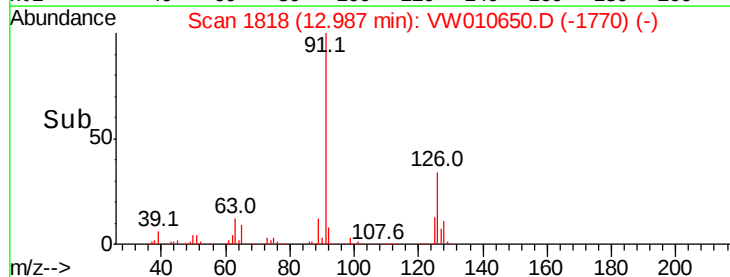
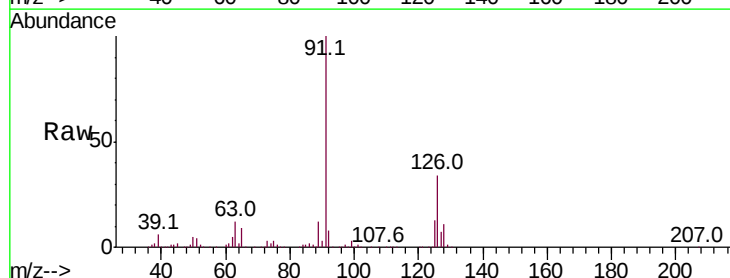
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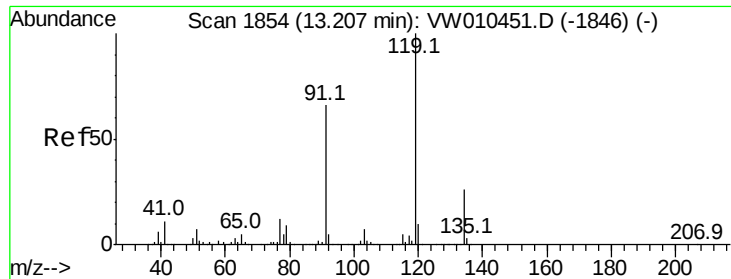
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#82
4-Chlorotoluene
Concen: 49.878 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.5	52.6





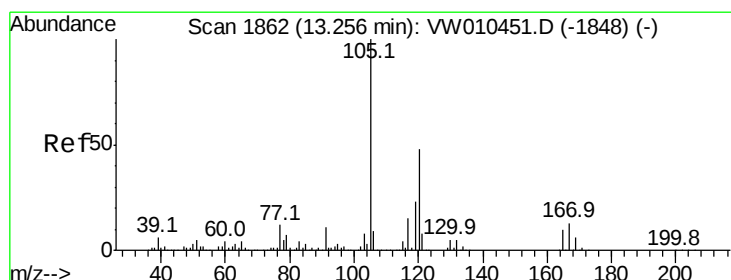
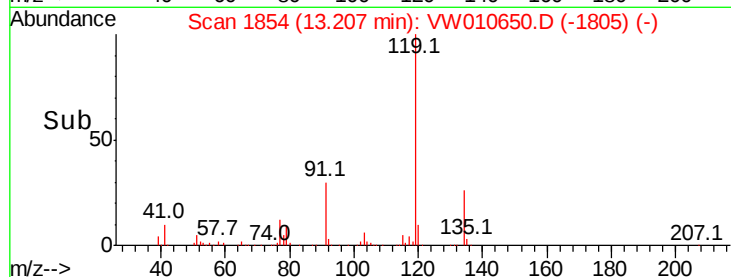
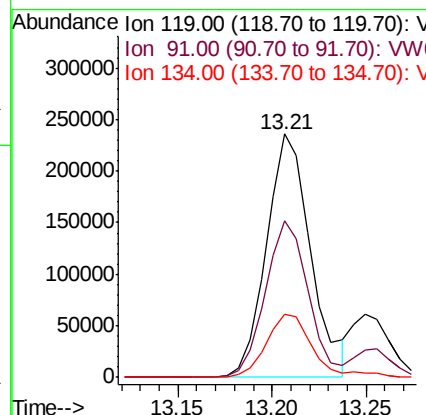
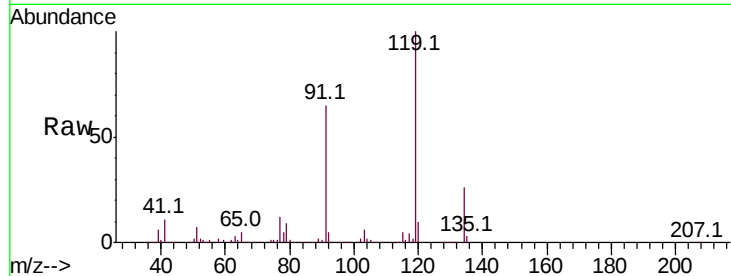
#83
tert-Butylbenzene
Concen: 51.966 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	383152		
91	62.6		33.1	99.5
134	27.4		13.9	41.6

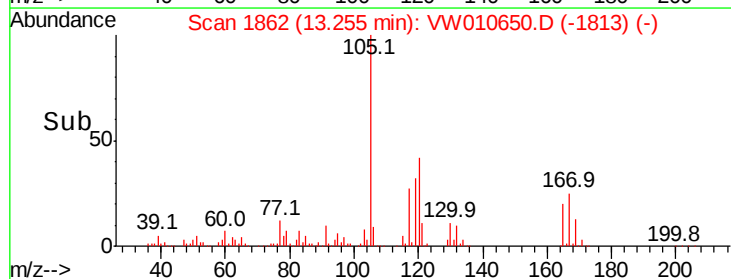
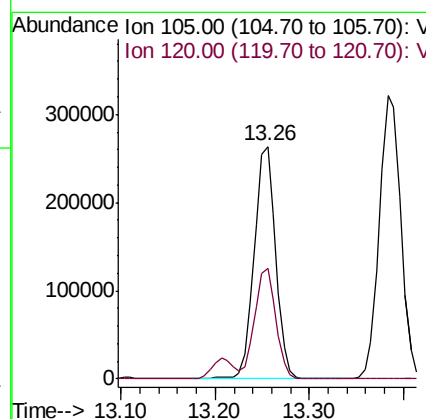
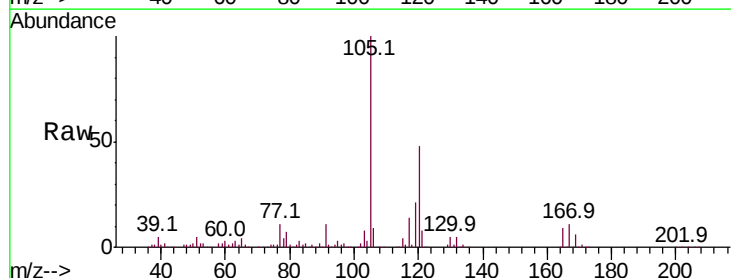
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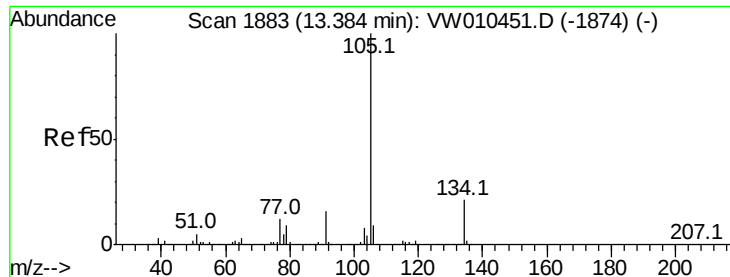
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#84
1,2,4-Trimethylbenzene
Concen: 50.289 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	422766		
120	47.1		23.4	70.2





#85

sec-Butylbenzene

Concen: 49.260 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 508272

Ion Ratio Lower Upper

105 100

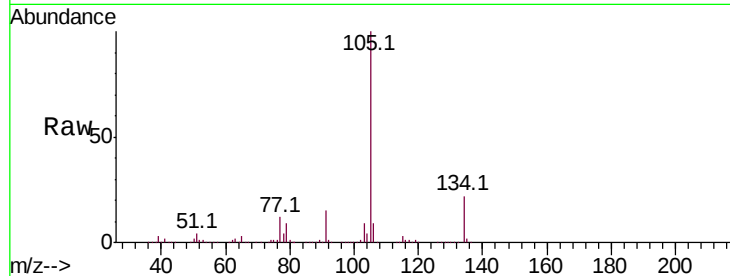
134 21.6 10.5 31.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

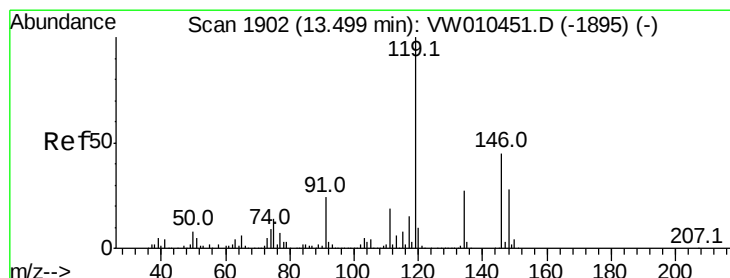
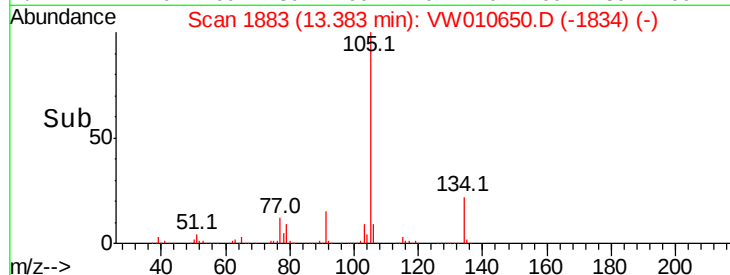
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.838 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010650.D

Acq: 31 May 2019 21:53

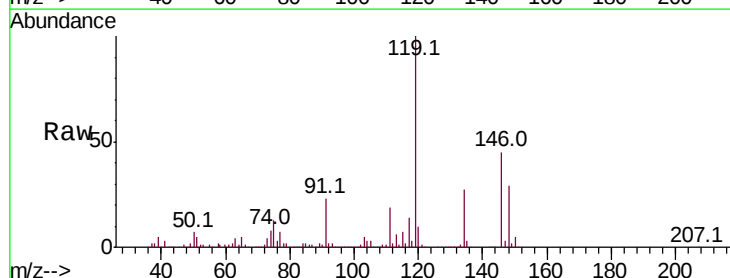
Tgt Ion:119 Resp: 465453

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.7

91 23.2 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

400000

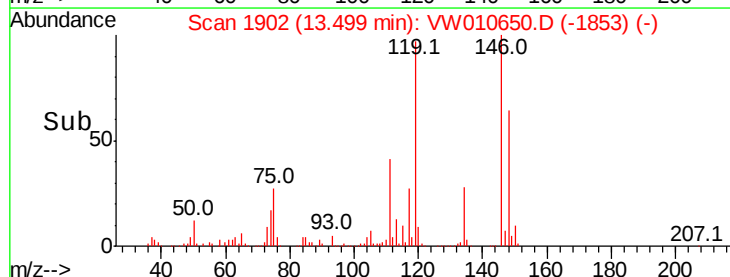
300000

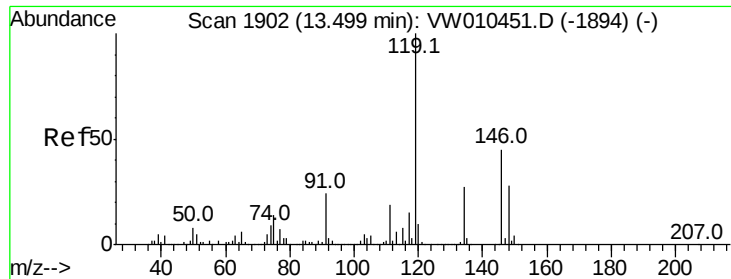
200000

100000

0

Time-->





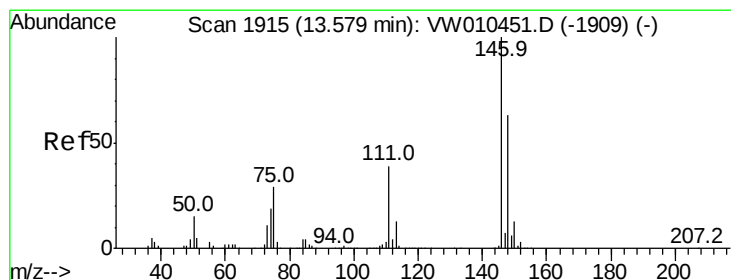
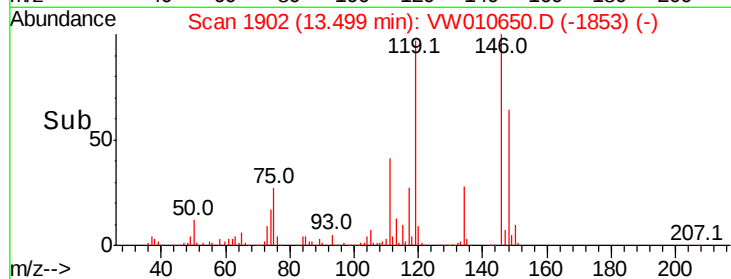
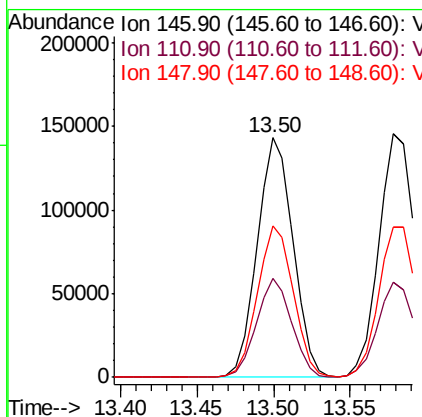
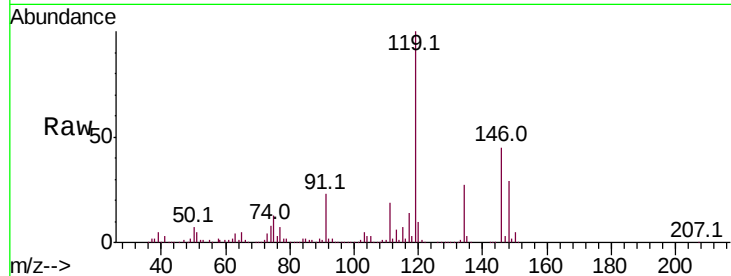
#87
 1,3-Dichlorobenzene
 Concen: 53.389 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	233611
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	60.9
148	63.2	31.6	94.8

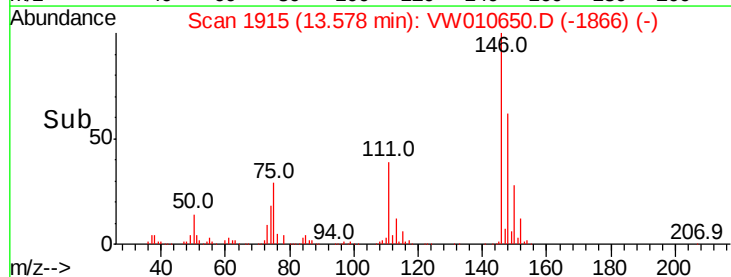
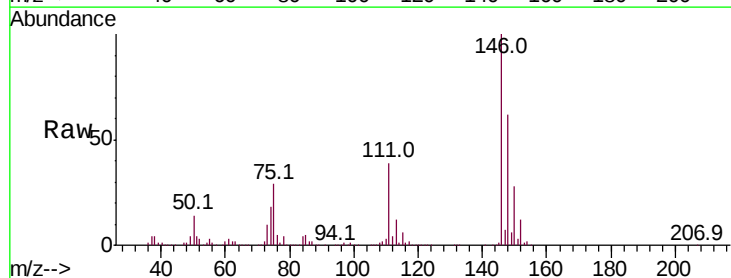
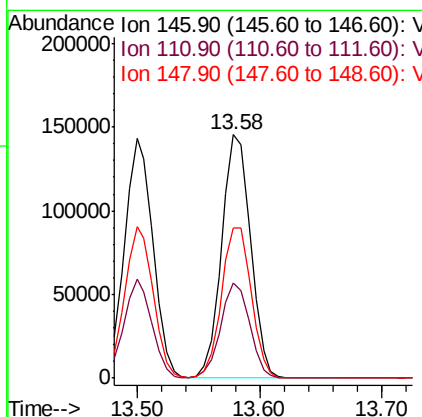
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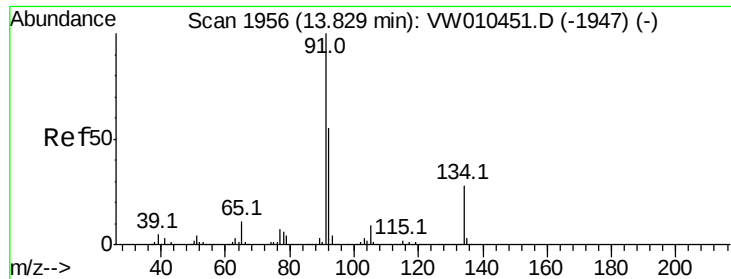
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#88
 1,4-Dichlorobenzene
 Concen: 54.260 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion:	146	Resp:	238209
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.9	59.6
148	63.8	31.6	94.8





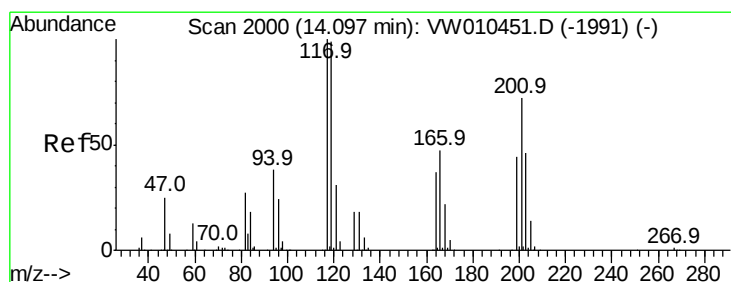
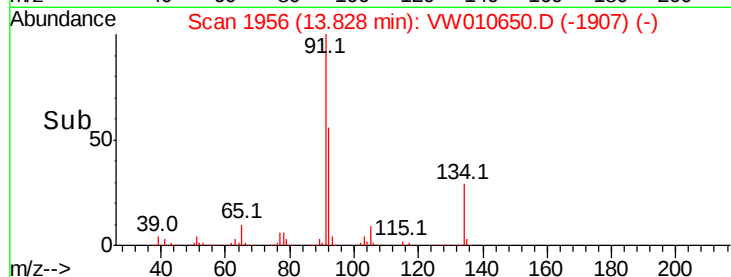
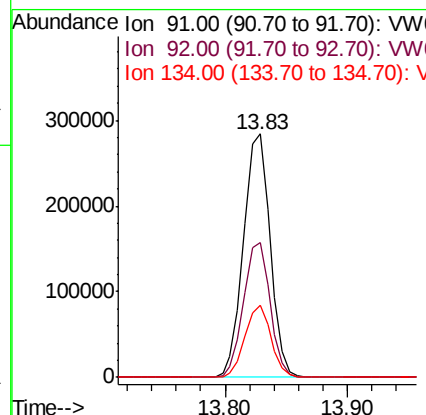
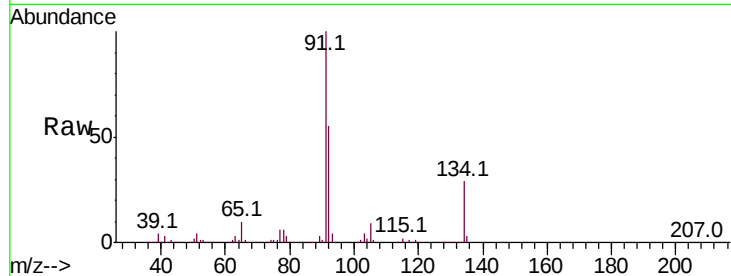
#89
n-Butylbenzene
Concen: 48.202 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.3	27.7	83.1	
134	29.0	13.9	41.6	

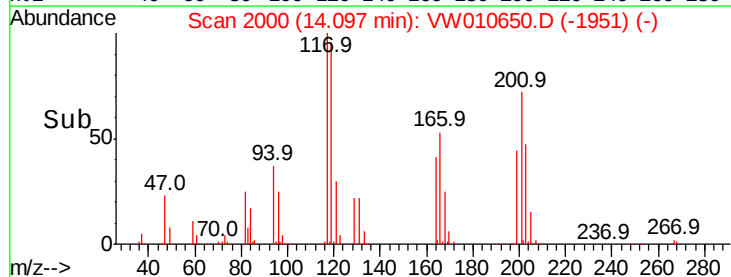
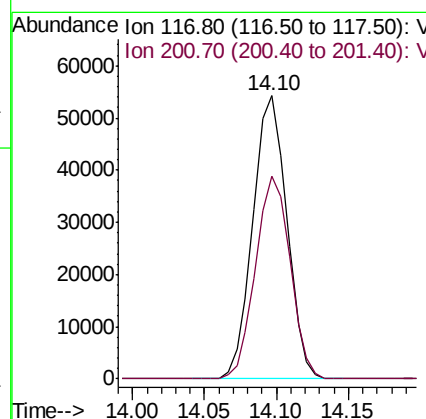
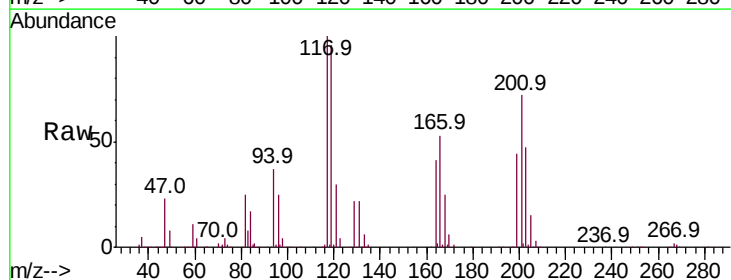
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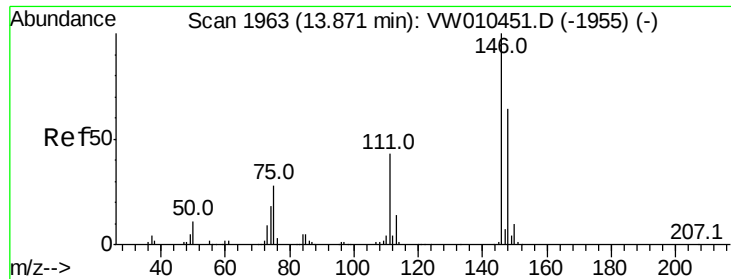
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#90
Hexachloroethane
Concen: 49.034 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	72.8	34.6	103.8	





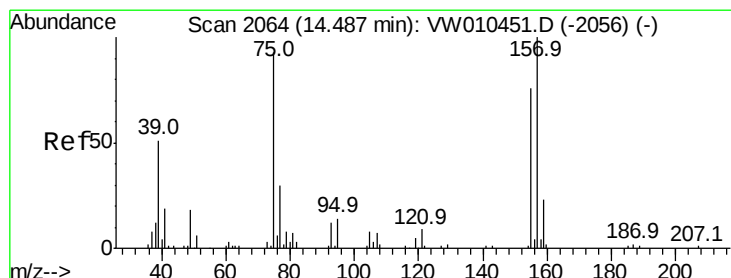
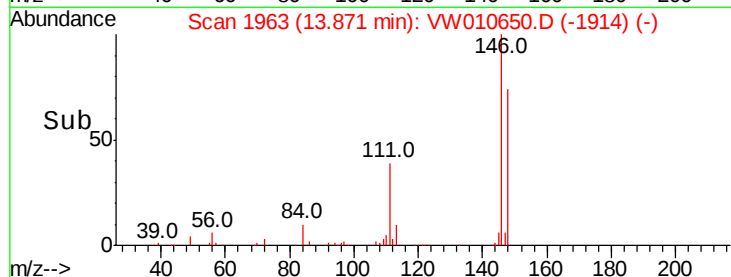
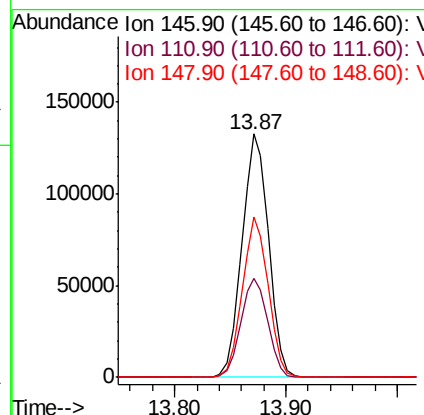
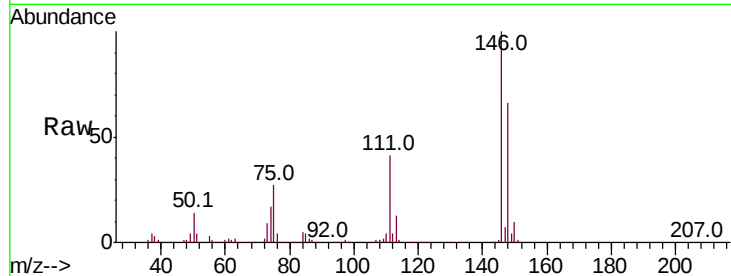
#91
 1,2-Dichlorobenzene
 Concen: 54.692 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218050		
111	41.0	21.3	64.0	
148	64.3	32.0	96.0	

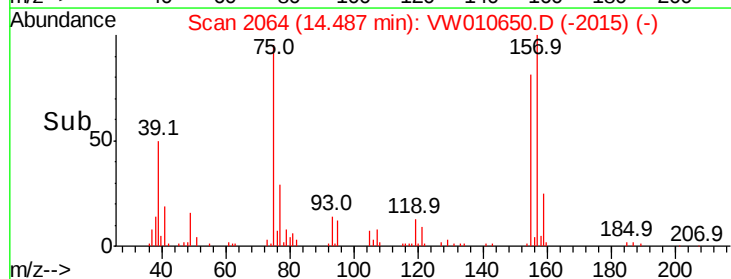
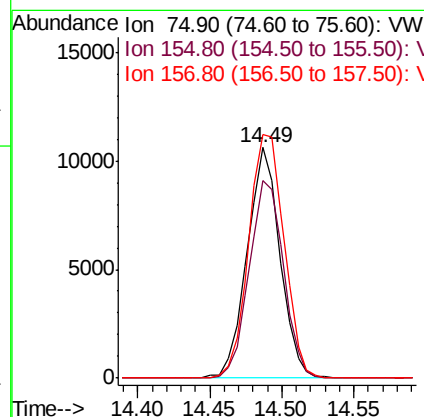
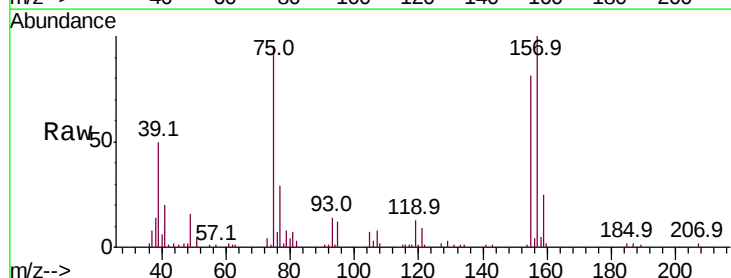
Manual Integrations
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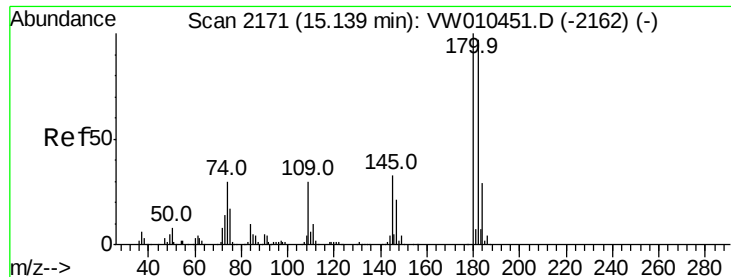
MMDadoda
 6/4/2019 8:44:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.584 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16713		
155	89.1	43.0	129.0	
157	113.6	55.7	167.1	





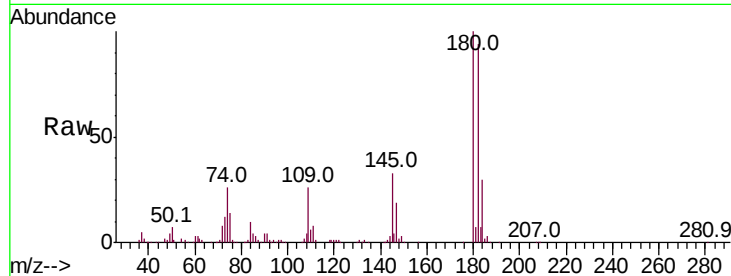
#93
 1,2,4-Trichlorobenzene
 Concen: 56.718 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.0	141.2	
145	32.9	16.7	50.0	

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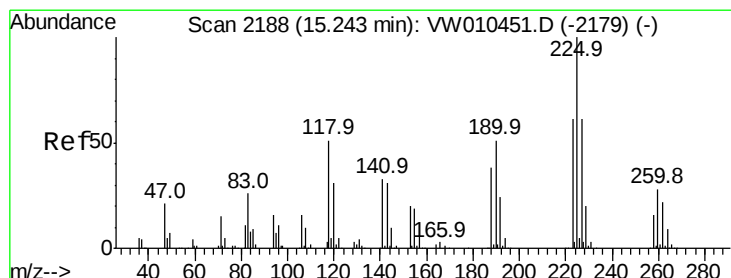
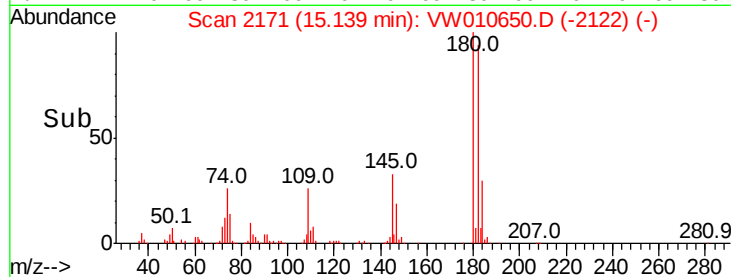
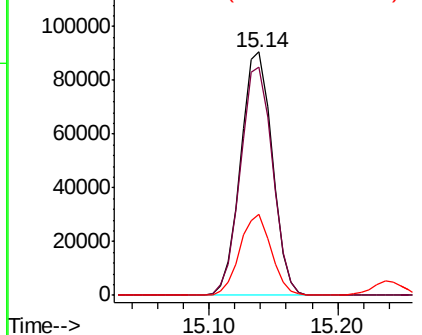


Abundance

Ion 179.80 (179.50 to 180.50): V

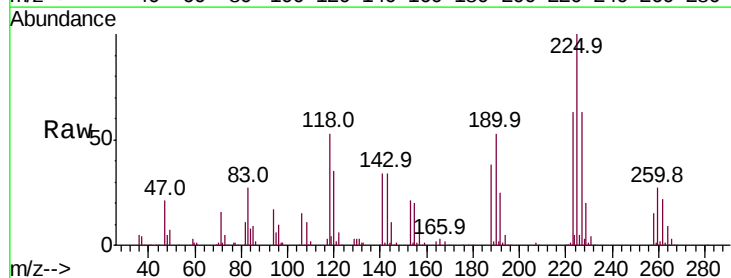
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 56.507 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010650.D
 Acq: 31 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.1	93.2	
227	64.0	31.1	93.5	

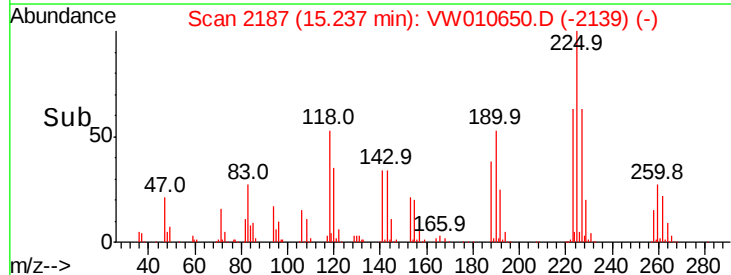
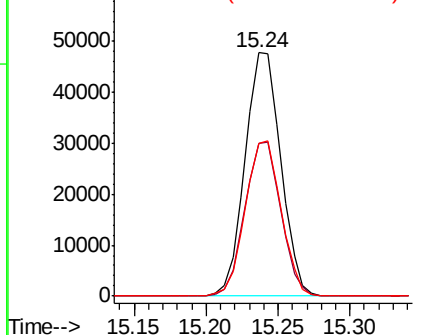


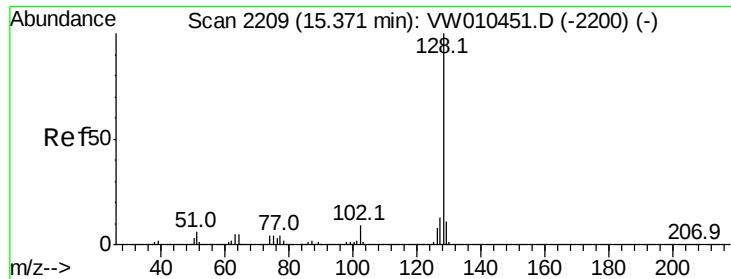
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





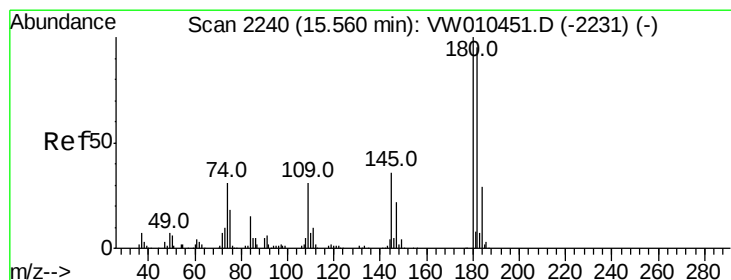
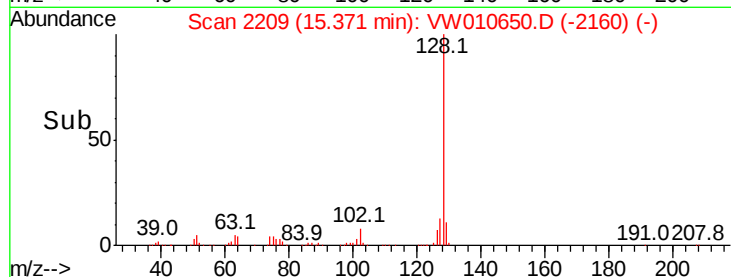
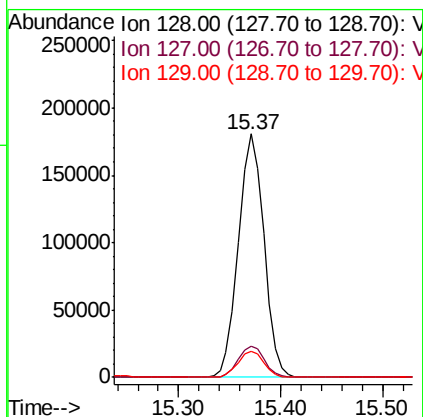
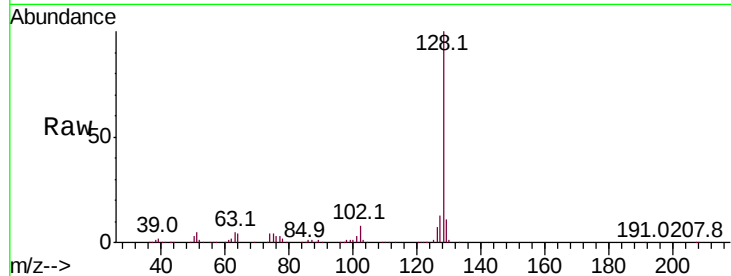
#95
Naphthalene
Concen: 55.144 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	314000
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.9	8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 57.584 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010650.D
Acq: 31 May 2019 21:53

Tgt Ion:	180	Resp:	134408
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.1	141.3
145	35.0	17.4	52.3

