

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012631.D
 Acq On : 05 Sep 2019 10:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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9/6/2019 12:29:06 PM

Quant Time: Sep 05 16:18:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142915	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.88	113	111849	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.32	98	438942	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.62	95	156760	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	82880	55.700	ug/l	98
3) Chloromethane	2.21	50	105896	45.936	ug/l	98
4) Vinyl Chloride	2.36	62	126593	44.866	ug/l	100
5) Bromomethane	2.78	94	69115	48.367	ug/l	100
6) Chloroethane	2.92	64	74423	46.756	ug/l	98
7) Trichlorofluoromethane	3.26	101	80169	56.584	ug/l	98
8) Diethyl Ether	3.68	74	60647	45.097	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	115847	48.104	ug/l	96
10) Methyl Iodide	4.27	142	157638	48.378	ug/l	97
11) Tert butyl alcohol	5.15	59	47449	274.464	ug/l	98
12) 1,1-Dichloroethene	4.04	96	113101	46.660	ug/l	98
13) Acrolein	3.89	56	41889	257.407	ug/l	98
14) Allyl chloride	4.67	41	257177	49.629	ug/l	97
15) Acrylonitrile	5.36	53	171850	257.810	ug/l	100
16) Acetone	4.12	43	186643	254.168	ug/l	95
17) Carbon Disulfide	4.38	76	327354	44.686	ug/l	98
18) Methyl Acetate	4.66	43	87426	48.068	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	212060	54.098	ug/l	100
20) Methylene Chloride	4.91	84	130997	47.188	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	129177	49.697	ug/l	98
22) Diisopropyl ether	6.31	45	475638	49.518	ug/l	99
23) Vinyl Acetate	6.25	43	1524323	257.866	ug/l	99
24) 1,1-Dichloroethane	6.21	63	263545	50.391	ug/l	99
25) 2-Butanone	7.16	43	256285	256.833	ug/l	98
26) 2,2-Dichloropropane	7.16	77	161739	54.637	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	140513	50.596	ug/l	98
28) Bromochloromethane	7.51	49	105378	46.229	ug/l	96
29) Tetrahydrofuran	7.52	42	153612	256.585	ug/l	98
30) Chloroform	7.67	83	248969	52.032	ug/l	98
31) Cyclohexane	7.95	56	232556	44.944	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	208810	55.165	ug/l	99
36) 1,1-Dichloropropene	8.08	75	204750	54.489	ug/l	100
37) Ethyl Acetate	7.25	43	107112	52.018	ug/l	99
38) Carbon Tetrachloride	8.07	117	188989	58.109	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	218725	51.814	ug/l	98
40) Benzene	8.32	78	539581	52.589	ug/l	100
41) Methacrylonitrile	7.48	41	62659	51.775	ug/l	95
42) 1,2-Dichloroethane	8.40	62	181344	56.393	ug/l	100
43) Isopropyl Acetate	8.42	43	207479	54.397	ug/l	99
44) Trichloroethene	9.09	130	136995	54.924	ug/l	95
45) 1,2-Dichloropropane	9.37	63	142915	51.755	ug/l	98
46) Dibromomethane	9.46	93	66704	54.292	ug/l	97
47) Bromodichloromethane	9.64	83	182772	55.895	ug/l	96
48) Methyl methacrylate	9.43	41	100725	55.486	ug/l	96
49) 1,4-Dioxane	9.45	88	20329	1080.822	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	534459	275.497	ug/l	99
52) Toluene	10.38	92	333878	54.167	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	188349	56.548	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	219069	54.471	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	95367	54.861	ug/l	98
56) Ethyl methacrylate	10.65	69	143711	56.803	ug/l	99
57) 1,3-Dichloropropane	10.93	76	179410	54.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	351086	270.388	ug/l	99
59) 2-Hexanone	10.97	43	388219	282.822	ug/l	99
60) Dibromochloromethane	11.13	129	111686	57.683	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90201	55.697	ug/l	100
64) Tetrachloroethene	10.86	164	112597	55.274	ug/l	98
65) Chlorobenzene	11.66	112	333374	53.883	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	123531	57.233	ug/l	98
67) Ethyl Benzene	11.73	91	656521	55.086	ug/l	99
68) m/p-Xylenes	11.84	106	470665	109.634	ug/l	98
69) o-Xylene	12.16	106	219660	55.283	ug/l	100
70) Styrene	12.18	104	382335	55.592	ug/l	99
71) Bromoform	12.35	173	63969	59.486	ug/l #	100
73) Isopropylbenzene	12.46	105	628591	53.706	ug/l	99
74) N-amyl acetate	12.27	43	192527	54.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112346	52.358	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	80335m	52.808	ug/l	
77) Bromobenzene	12.74	156	138385	54.652	ug/l	95
78) n-propylbenzene	12.80	91	770538	53.927	ug/l	99
79) 2-Chlorotoluene	12.89	91	429673	52.966	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	538053	55.015	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38002	54.770	ug/l	97
82) 4-Chlorotoluene	12.99	91	456254	53.714	ug/l	100
83) tert-Butylbenzene	13.21	119	460363	55.569	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	537809	54.742	ug/l	99
85) sec-Butylbenzene	13.38	105	648729	54.657	ug/l	100
86) p-Isopropyltoluene	13.50	119	590790	55.736	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	271922	54.904	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	264899	53.867	ug/l	99
89) n-Butylbenzene	13.82	91	584669	55.467	ug/l	100
90) Hexachloroethane	14.09	117	101705	54.689	ug/l	90
91) 1,2-Dichlorobenzene	13.87	146	244336	56.236	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20784	57.456	ug/l	97

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Manual Integrations
APPROVED

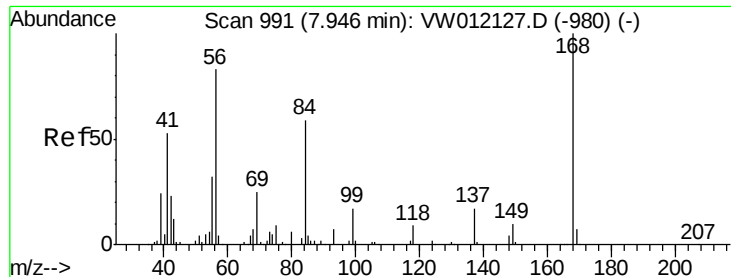
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	169968	56.608	ug/l	99
94) Hexachlorobutadiene	15.24	225	120662	60.862	ug/l	96
95) Naphthalene	15.36	128	305817	51.741	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	150101	57.299	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 241658

Ion Ratio Lower Upper

168 100

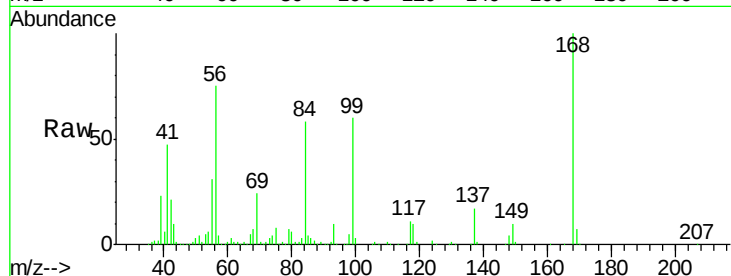
99 60.3 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

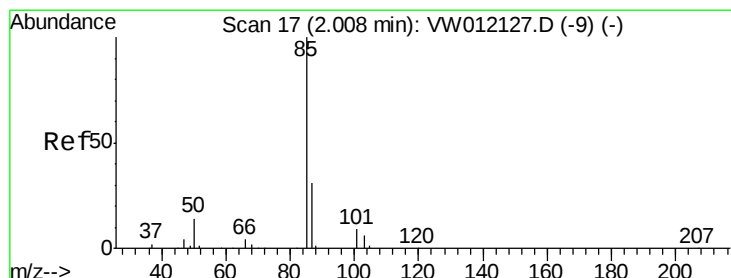
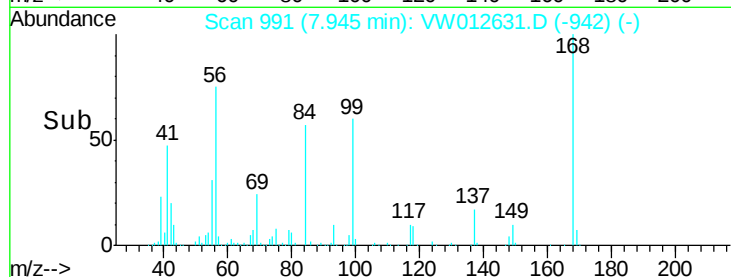
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.700 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012631.D

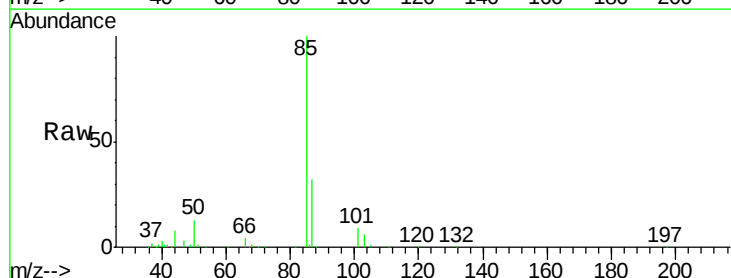
Acq: 05 Sep 2019 10:37

Tgt Ion: 85 Resp: 82880

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

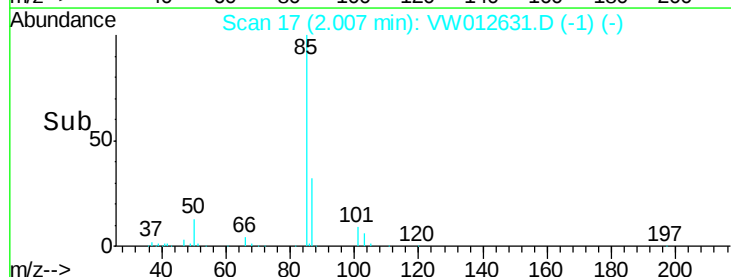
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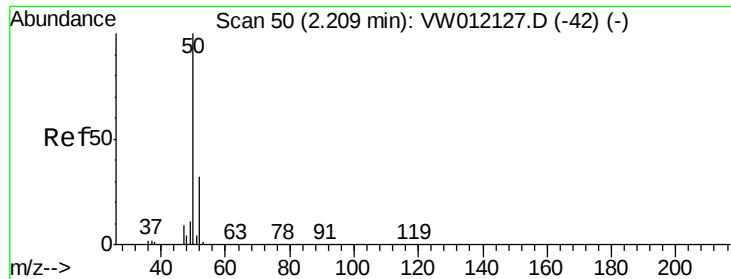
10000

5000

0

Time-->





#3

Chloromethane

Concen: 45.936 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105896

Ion Ratio Lower Upper

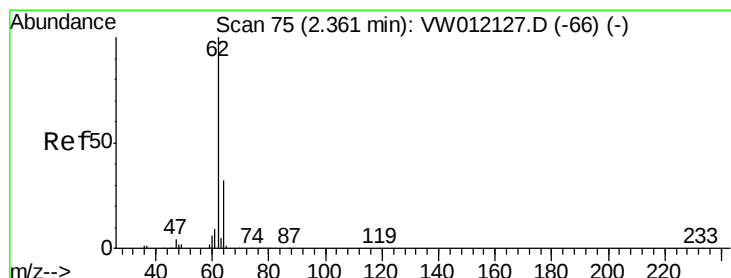
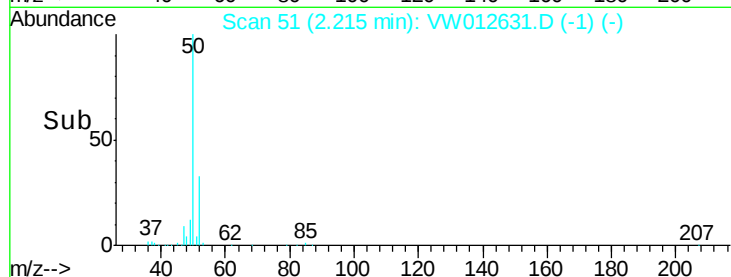
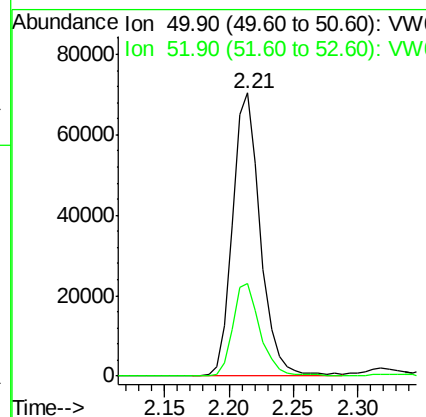
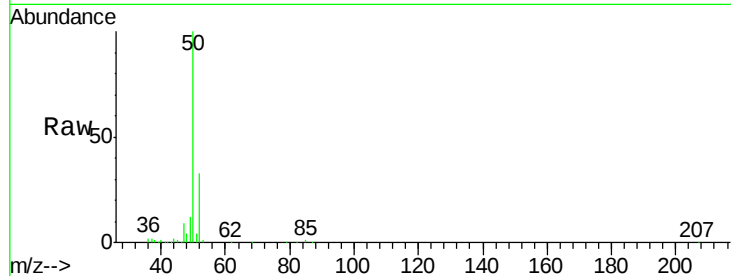
50 100

52 32.8 25.5 38.3

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#4

Vinyl Chloride

Concen: 44.866 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012631.D

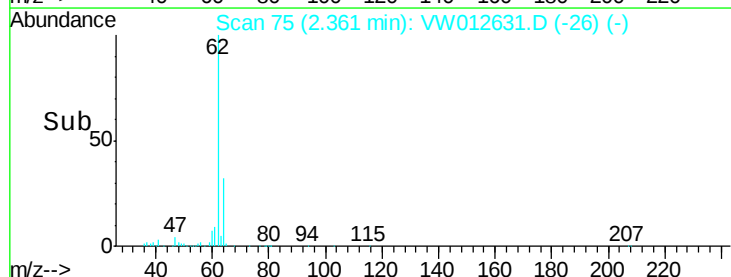
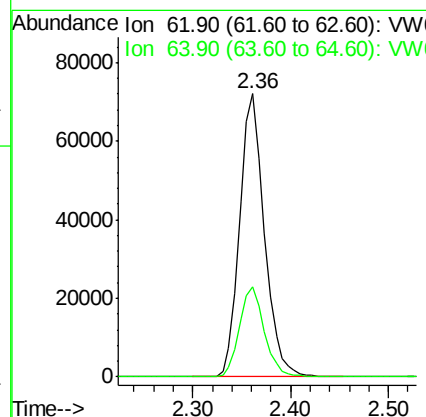
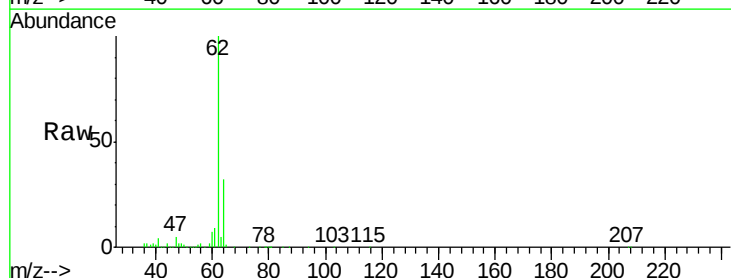
Acq: 05 Sep 2019 10:37

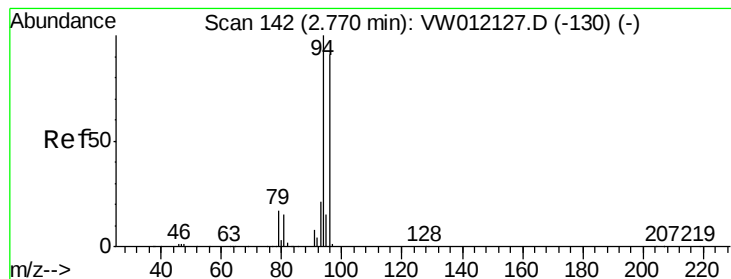
Tgt Ion: 62 Resp: 126593

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 48.367 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69115

Ion Ratio Lower Upper

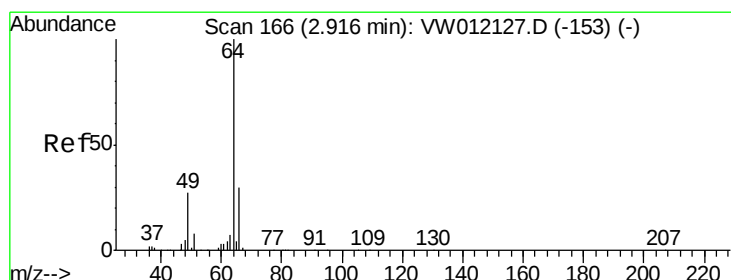
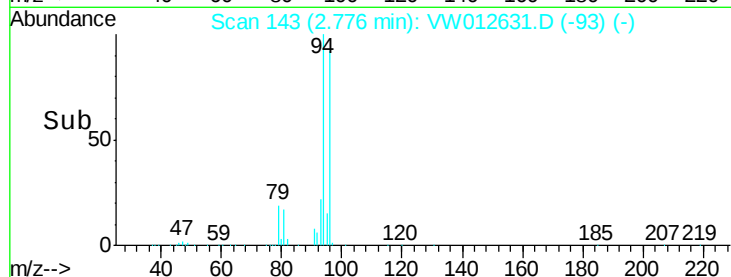
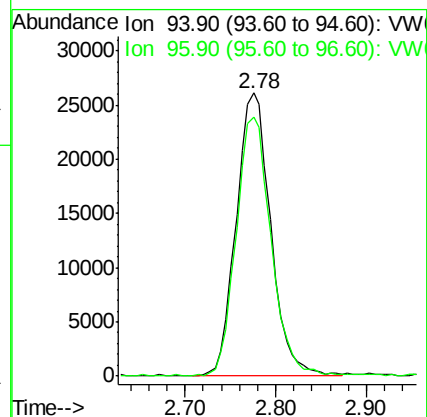
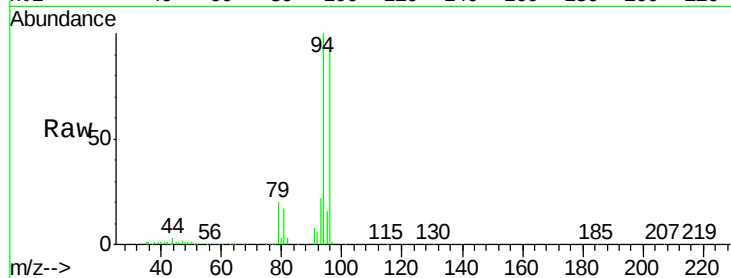
94 100

96 91.5 72.9 109.3

Manual Integrations
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#6

Chloroethane

Concen: 46.756 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012631.D

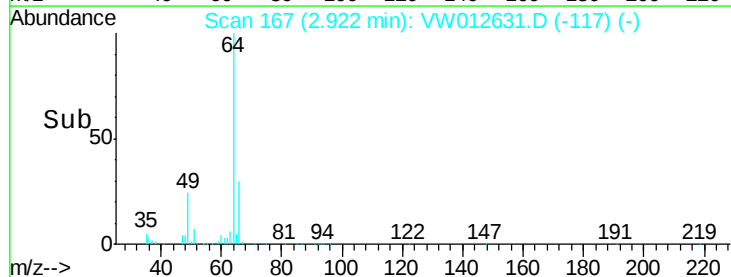
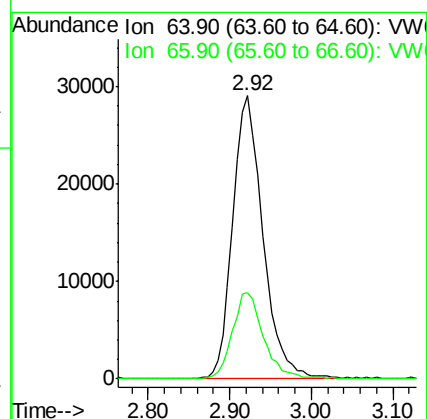
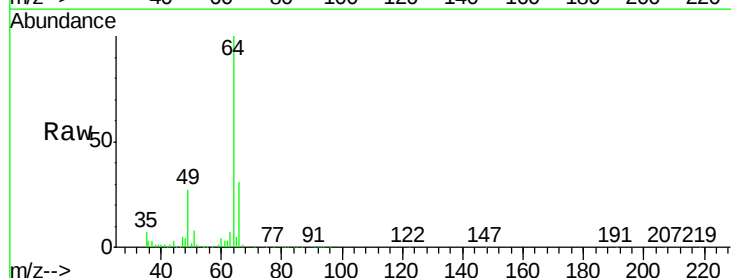
Acq: 05 Sep 2019 10:37

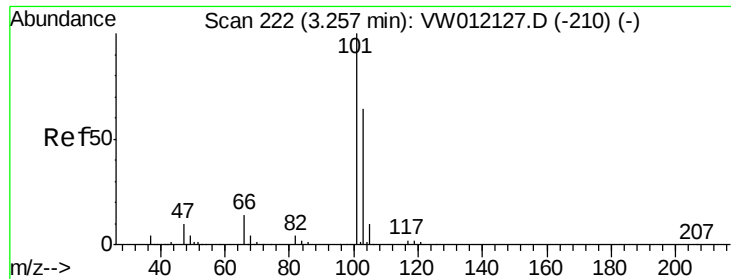
Tgt Ion: 64 Resp: 74423

Ion Ratio Lower Upper

64 100

66 30.6 23.8 35.8





#7

Trichlorofluoromethane
 Concen: 56.584 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

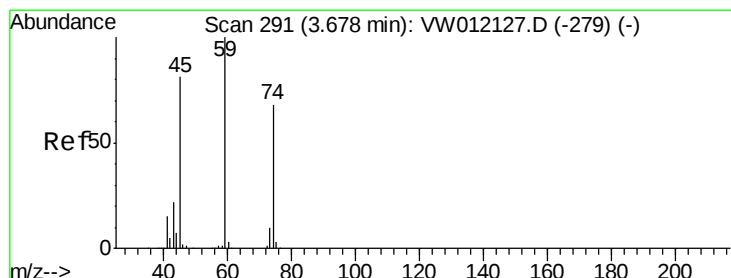
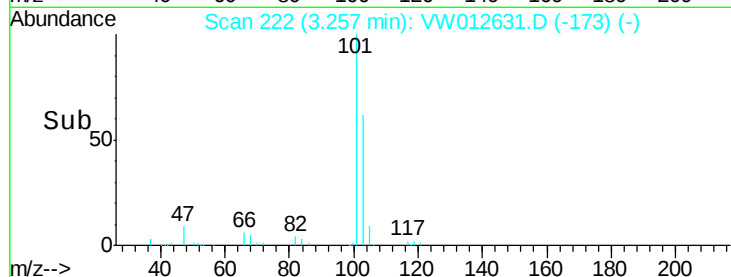
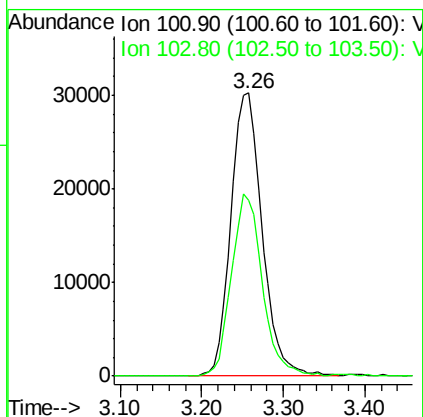
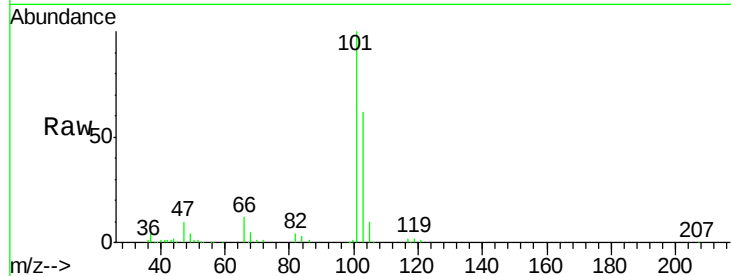
Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.2	76.8

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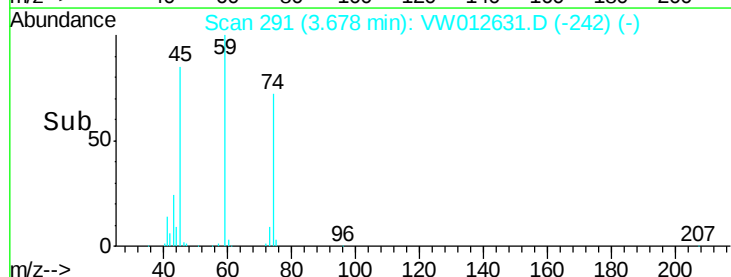
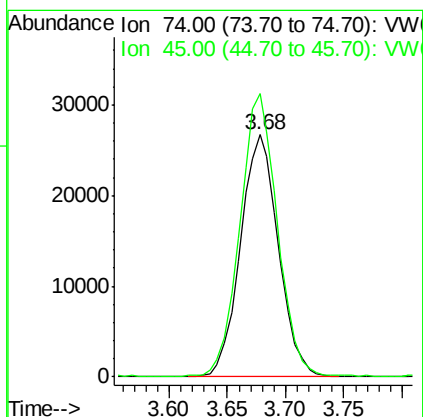
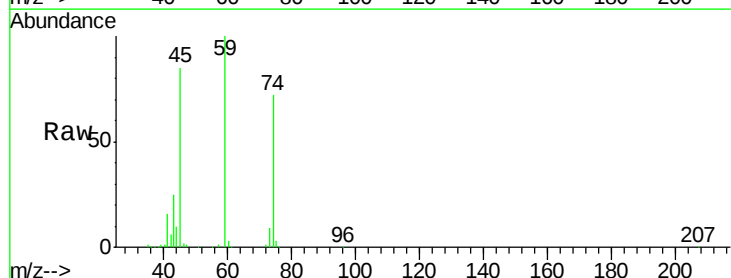
9/6/2019 12:29:06 PM

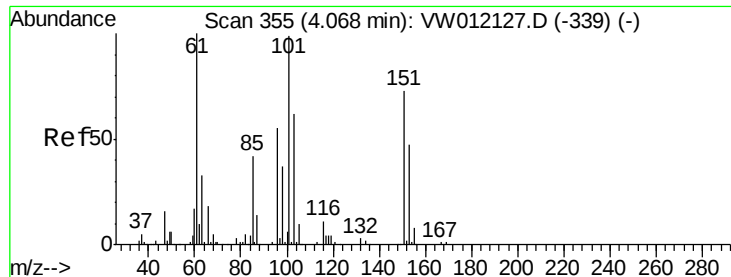


#8

Diethyl Ether
 Concen: 45.097 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.2	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.104 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 115847
Ion Ratio Lower Upper

101 100

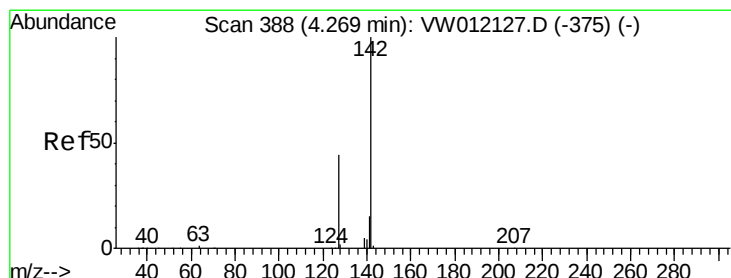
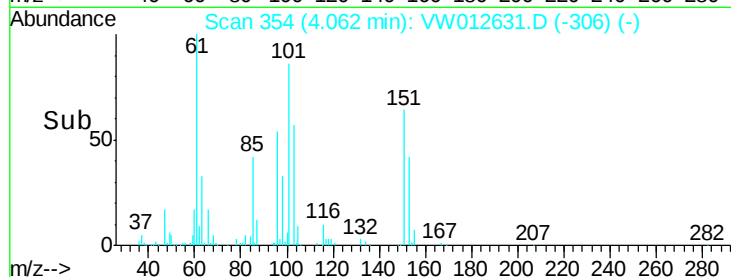
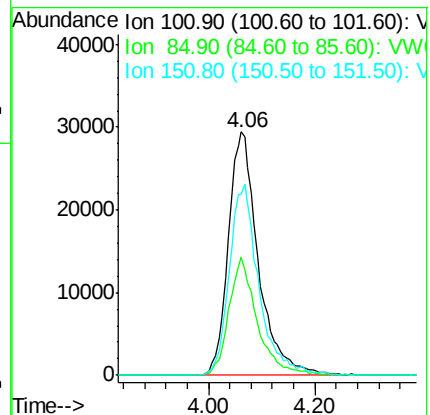
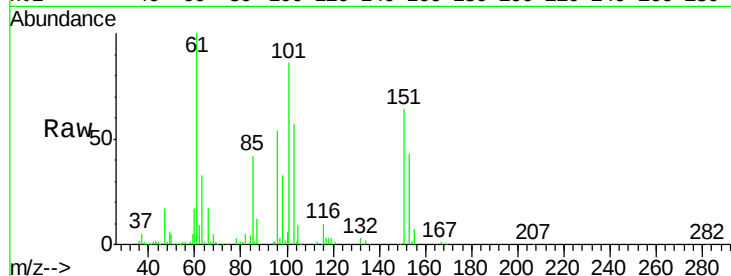
85 45.8 35.8 53.6

151 77.3 58.6 87.8

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#10

Methyl Iodide

Concen: 48.378 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012631.D

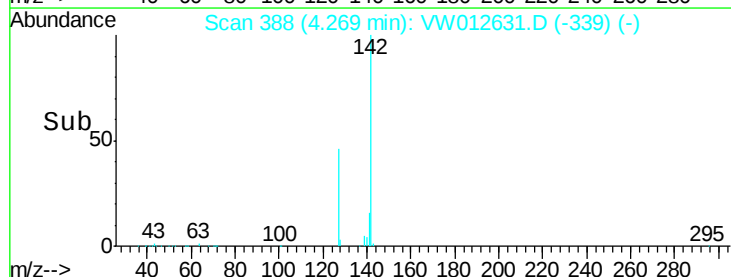
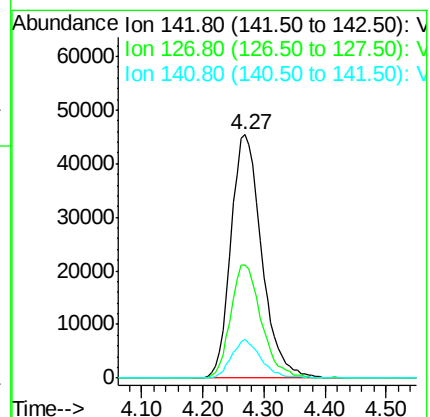
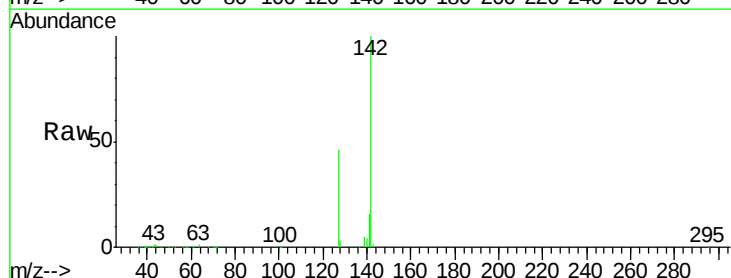
Acq: 05 Sep 2019 10:37

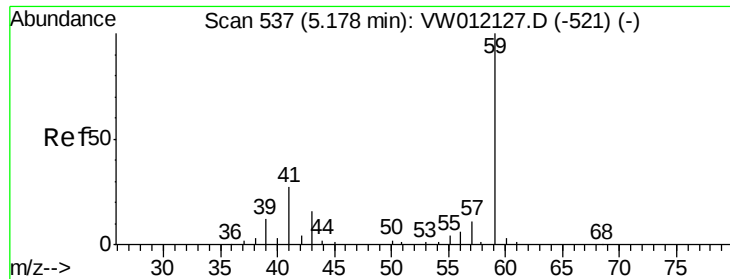
Tgt Ion:142 Resp: 157638
Ion Ratio Lower Upper

142 100

127 46.4 35.5 53.3

141 15.2 11.8 17.8





#11
Tert butyl alcohol
Concen: 274.464 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

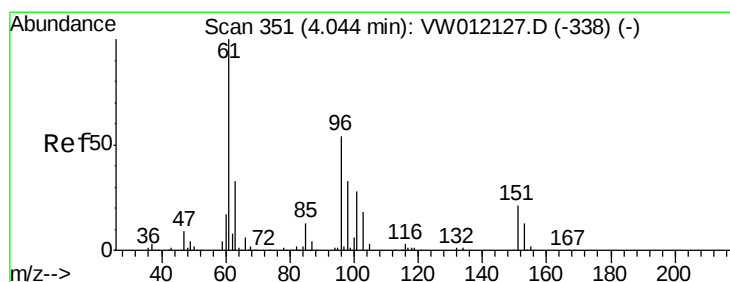
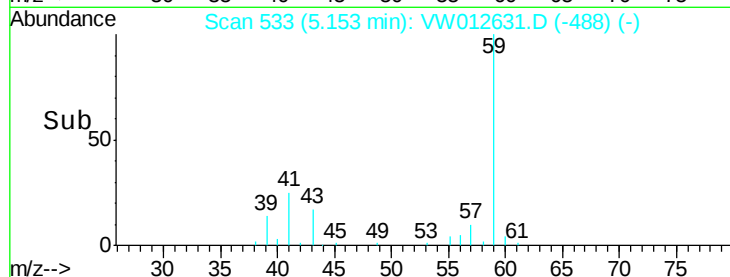
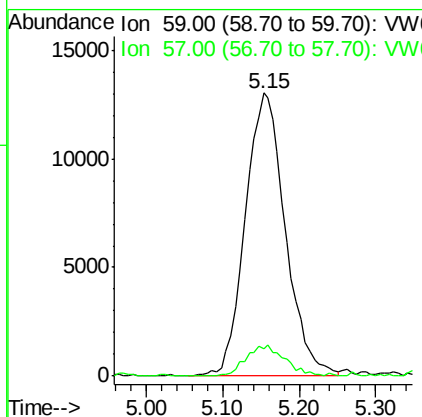
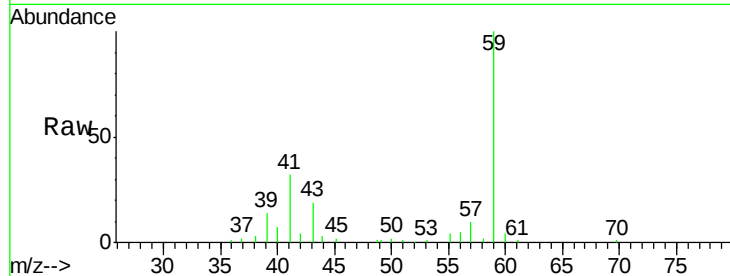
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.6	Resp	47449	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	10.6	Resp	47449	Lower	9.0	Upper	13.4

Manual Integrations
APPROVED

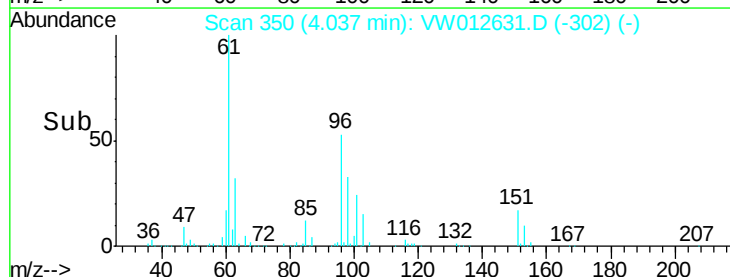
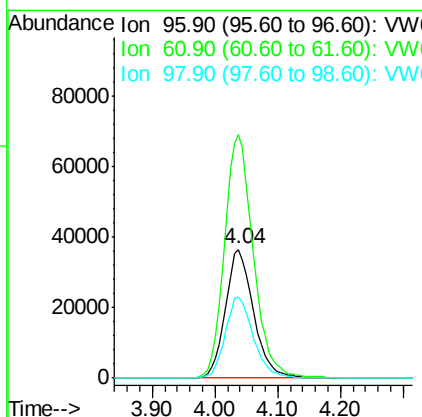
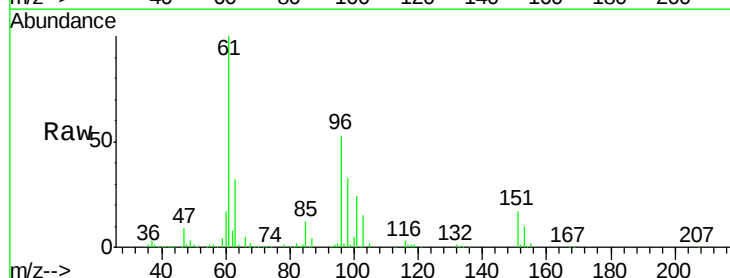
MMDadoda

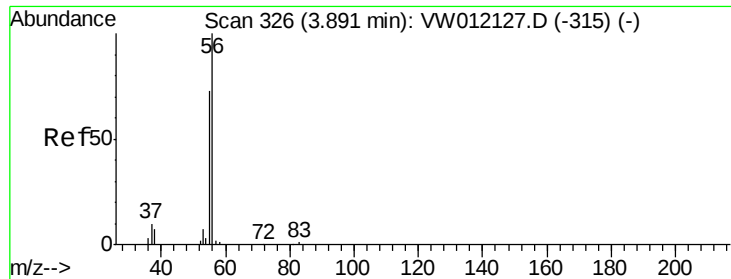
9/6/2019 12:29:06 PM



#12
1,1-Dichloroethene
Concen: 46.660 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	96	61	98	Ratio	100	189.1	62.6	Resp	113101	Lower	149.1	49.4	Upper	223.7	74.2
Ion	96	61	98	Ratio	100	189.1	62.6	Resp	113101	Lower	149.1	49.4	Upper	223.7	74.2





#13
Acrolein
Concen: 257.407 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

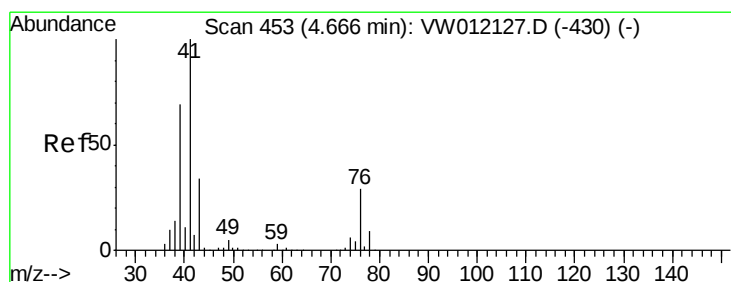
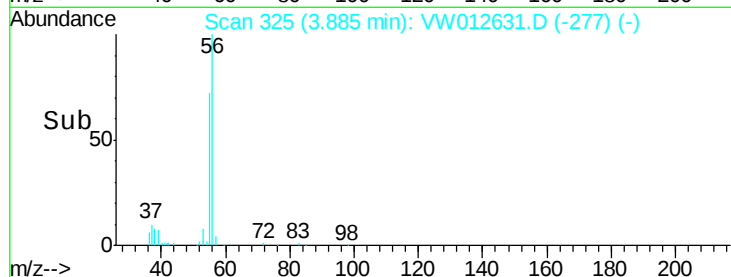
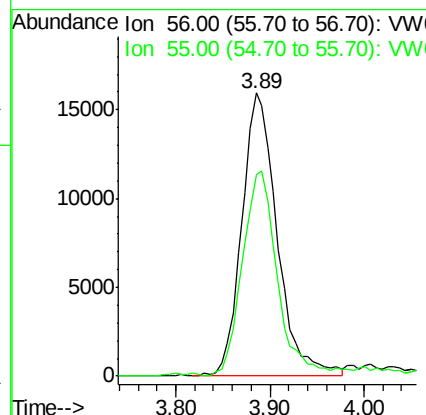
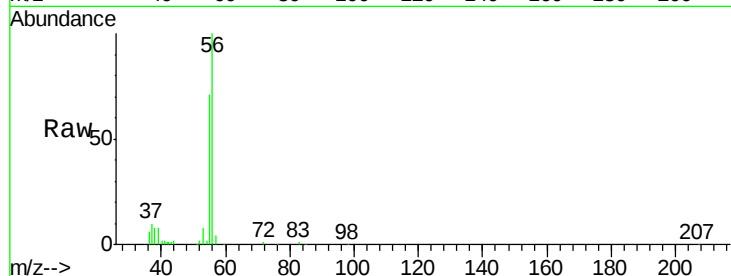
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	41889
Ion Ratio	100	Lower	Upper
55	71.2	55.8	83.8

Manual Integrations
APPROVED

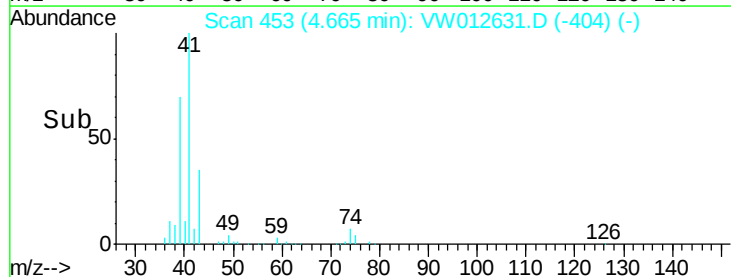
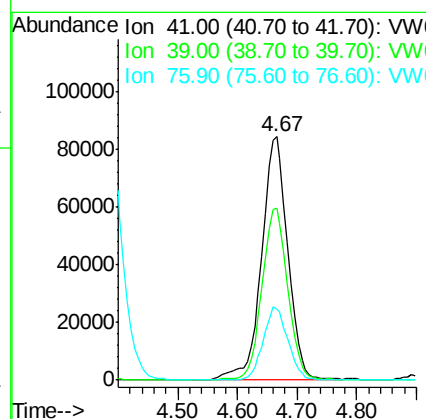
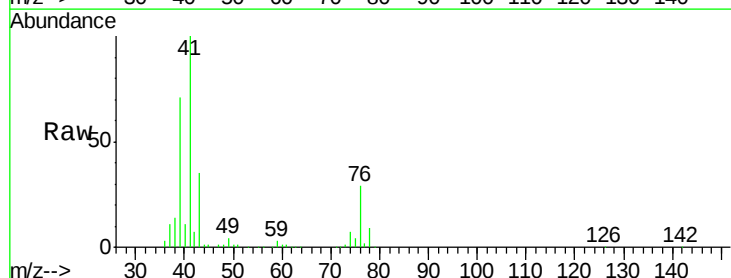
MMDadoda

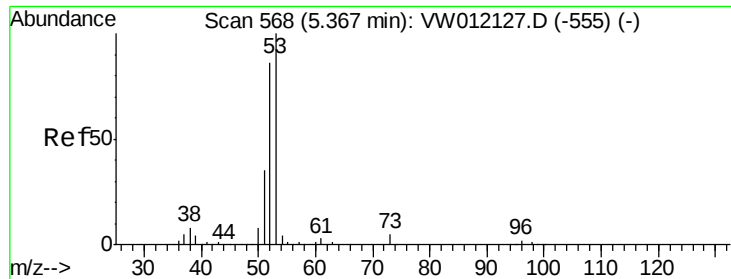
9/6/2019 12:29:06 PM



#14
Allyl chloride
Concen: 49.629 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	41	Resp	257177
Ion Ratio	100	Lower	Upper
39	69.4	53.4	80.2
76	28.2	22.1	33.1





#15

Acrylonitrile

Concen: 257.810 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

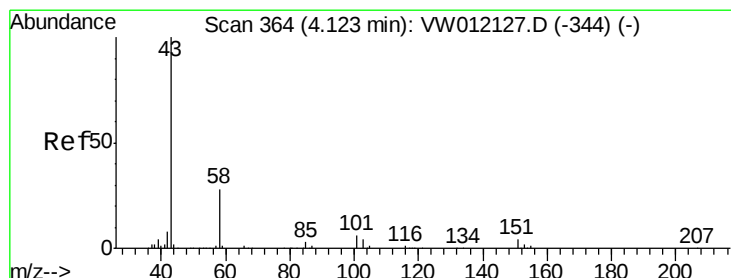
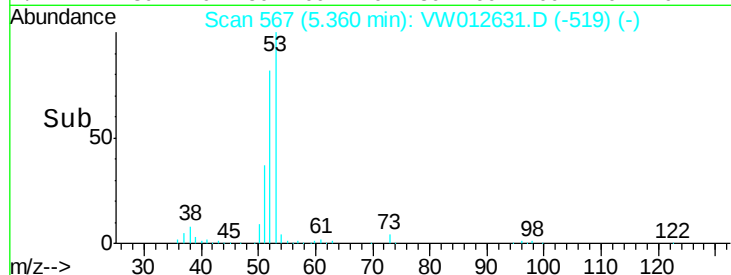
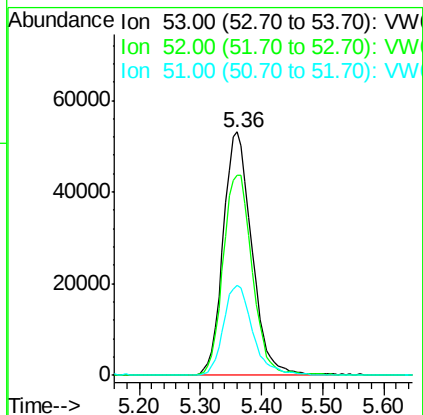
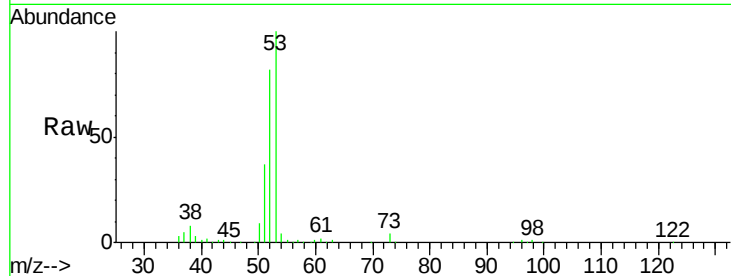
VSTDCCC050

Tot Ion:	53	Resp:	171850
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.7	100.1
51	37.7	30.1	45.1

Manual Integrations
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MMDadoda

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#16

Acetone

Concen: 254.168 ug/l

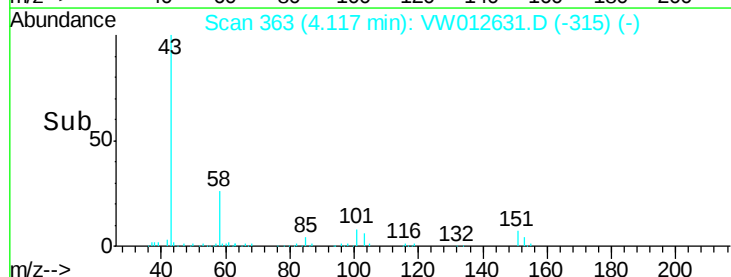
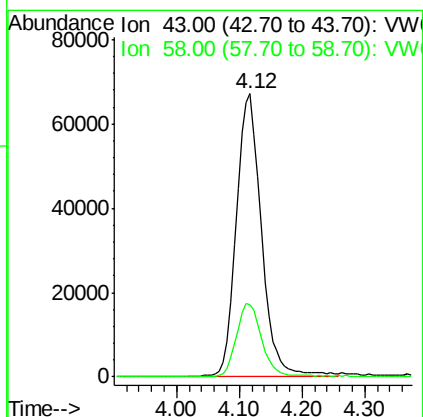
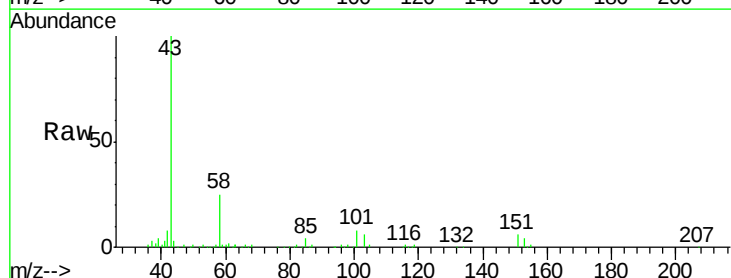
RT: 4.12 min Scan# 363

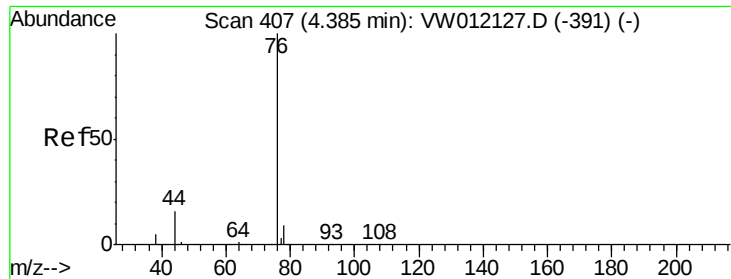
Delta R.T. -0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tgt Ion:	43	Resp:	186643
Ion	Ratio	Lower	Upper
43	100		
58	25.2	22.4	33.6





#17
Carbon Disulfide
Concen: 44.686 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

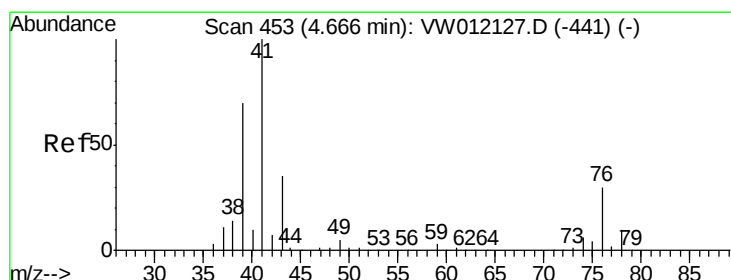
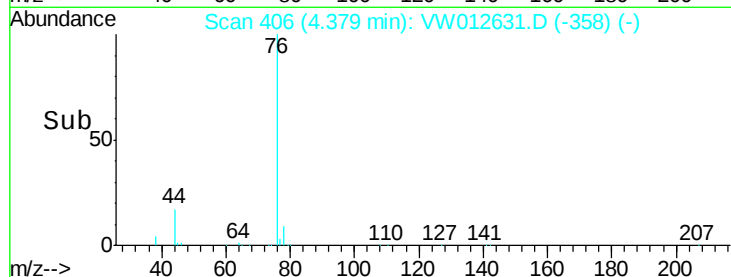
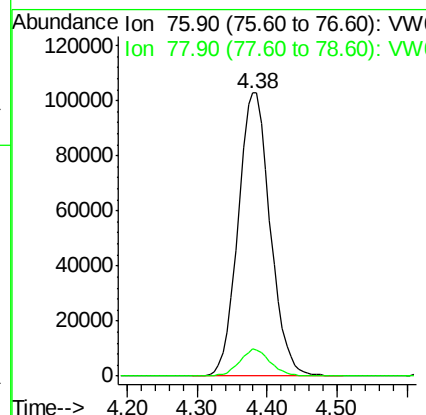
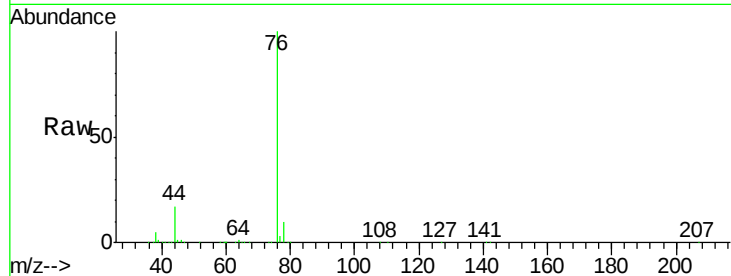
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

Manual Integrations
APPROVED

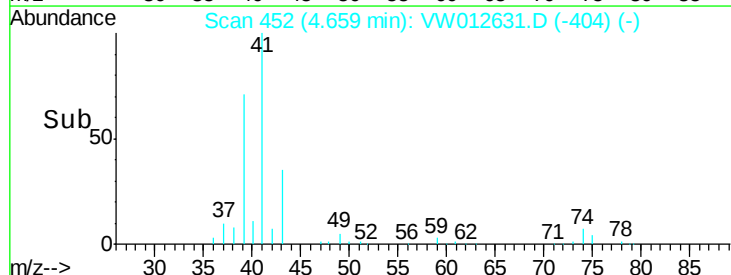
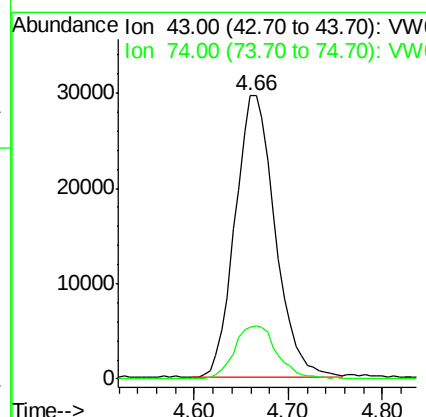
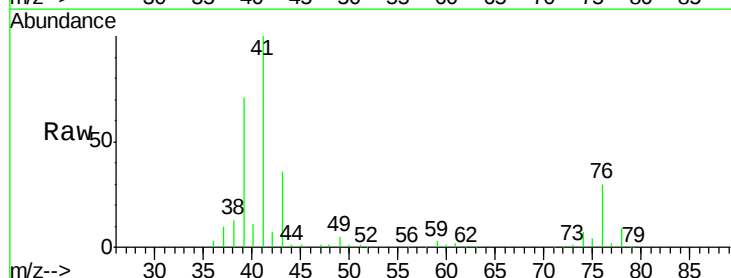
MMDadoda

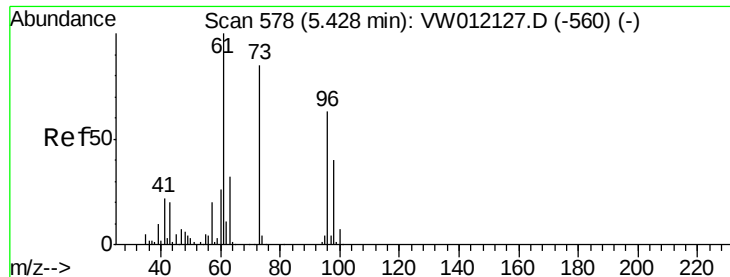
9/6/2019 12:29:06 PM



#18
Methyl Acetate
Concen: 48.068 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	15.7	23.5





#19
Methvl tert-butvl Ether
Concen: 54.098 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

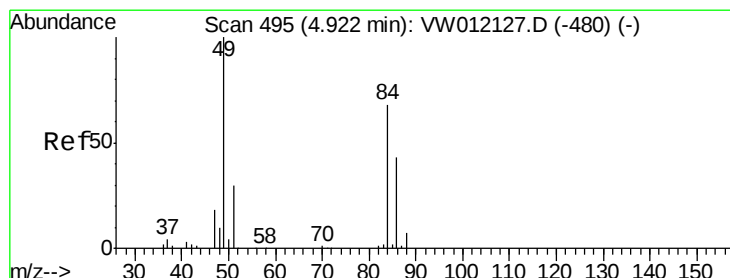
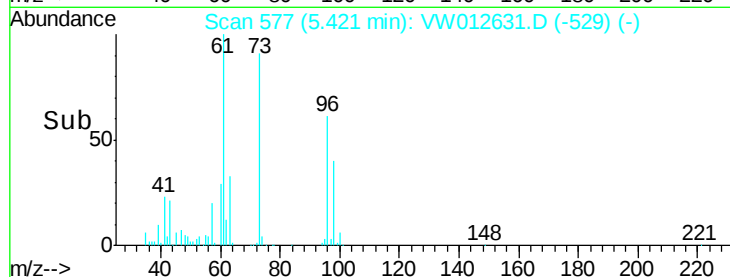
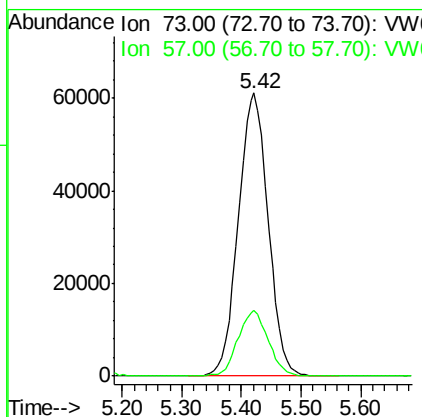
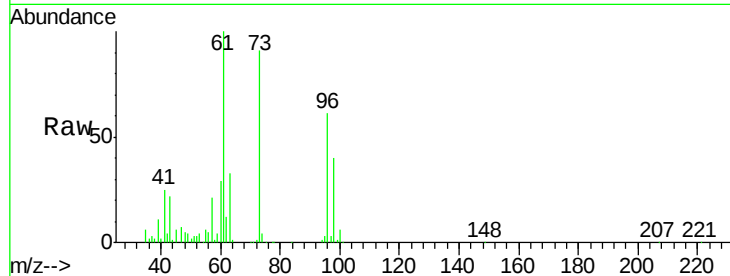
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.9	28.3

Manual Integrations
APPROVED

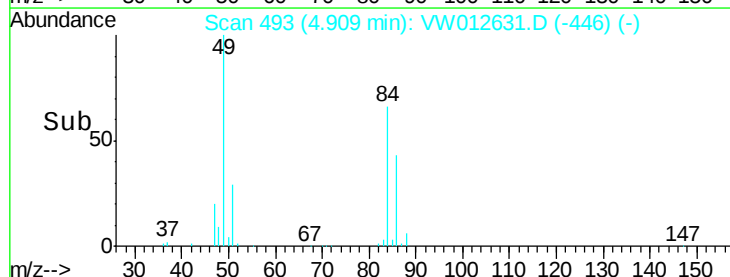
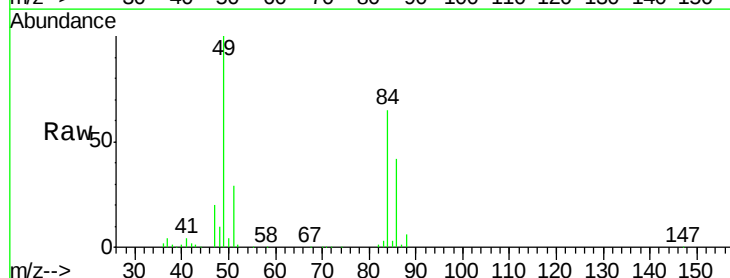
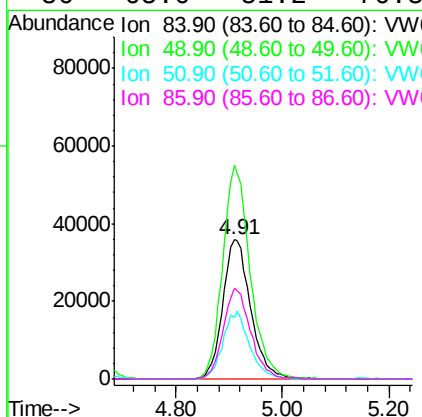
MMDadoda

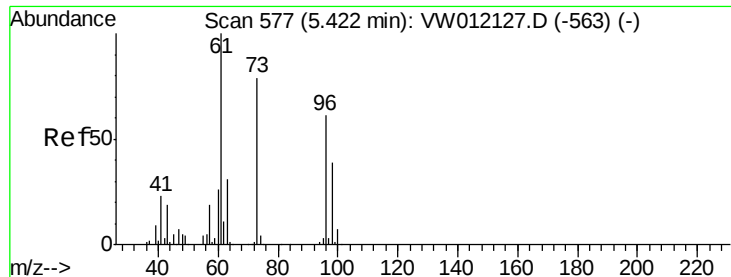
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#20
Methylene Chloride
Concen: 47.188 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.5	117.8	176.8
51	44.3	35.6	53.4
86	65.0	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 49.697 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

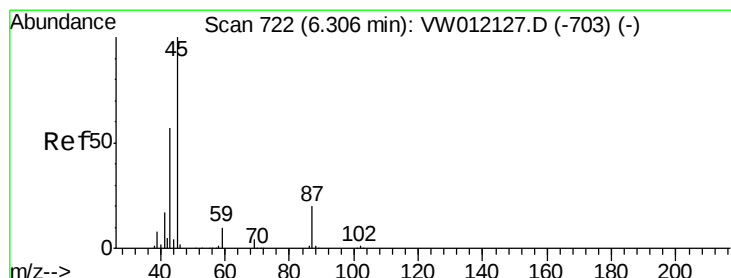
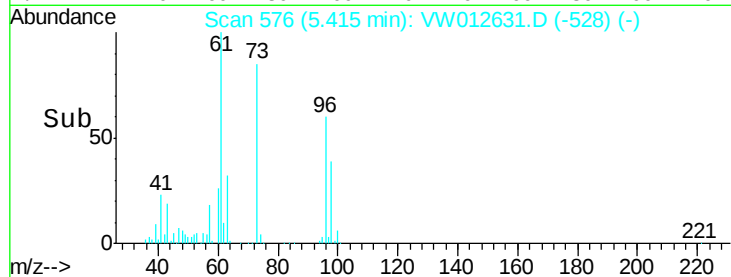
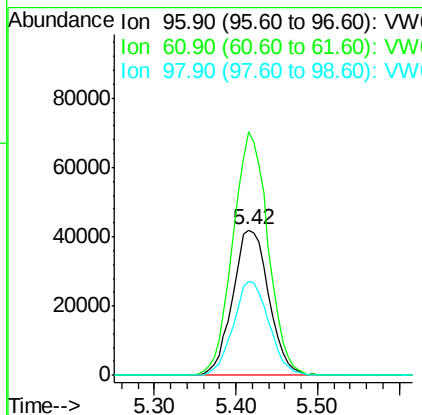
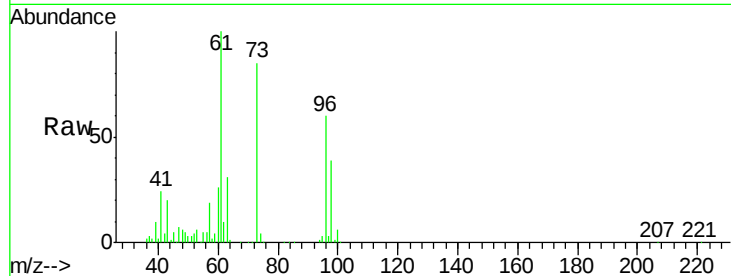
VSTDCCC050

Tot Ion:	96	Resp:	129177
Ion	Ratio	Lower	Upper
96	100		
61	167.3	131.4	197.0
98	64.3	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.518 ug/l

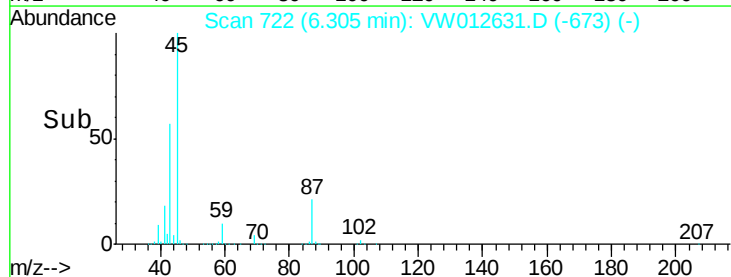
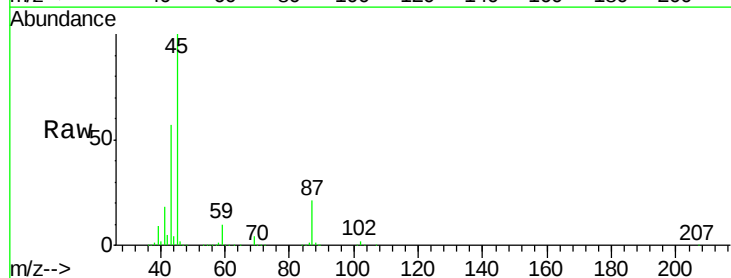
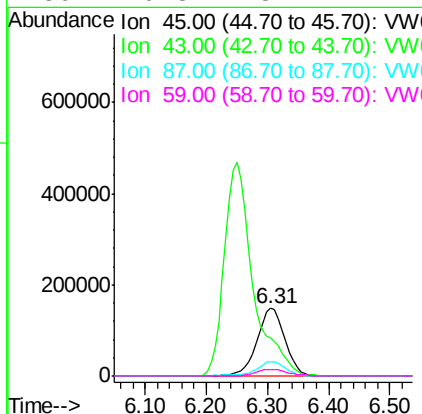
RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tgt Ion:	45	Resp:	475638
Ion	Ratio	Lower	Upper
45	100		
43	56.7	45.5	68.3
87	21.2	16.1	24.1
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 257.866 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tot Ion: 43 Resp: 1524323

Ion Ratio Lower Upper

43 100

86 8.6 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

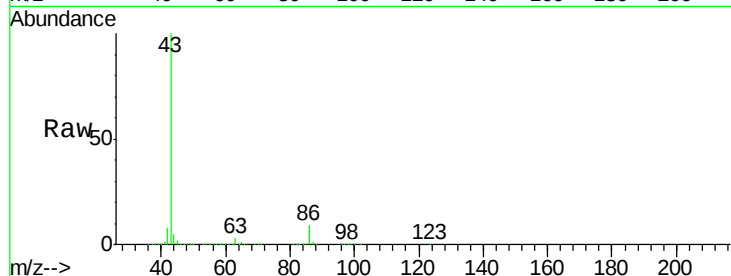
VSTDCCC050

Manual Integrations

APPROVED

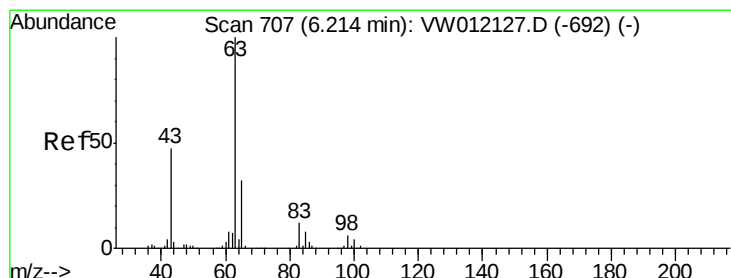
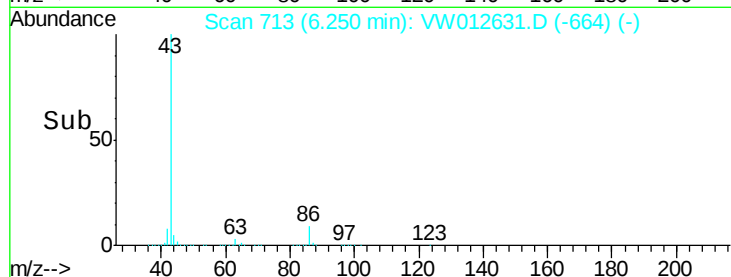
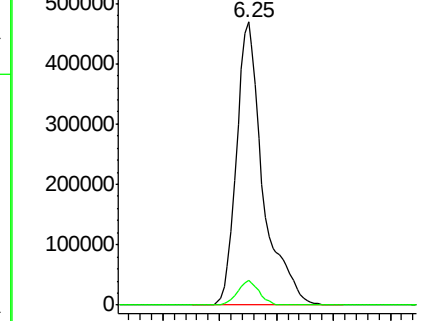
MMDadoda

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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: 50.391 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

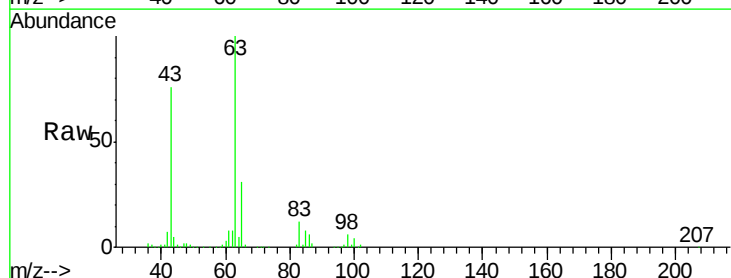
Tgt Ion: 63 Resp: 263545

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

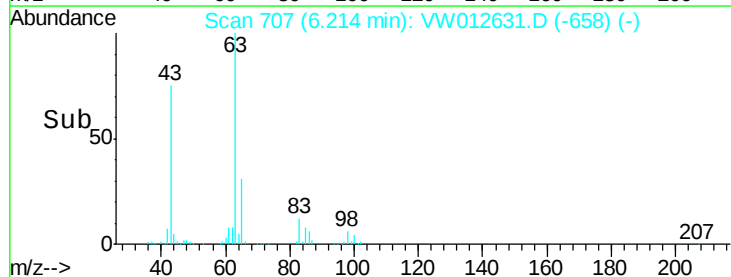
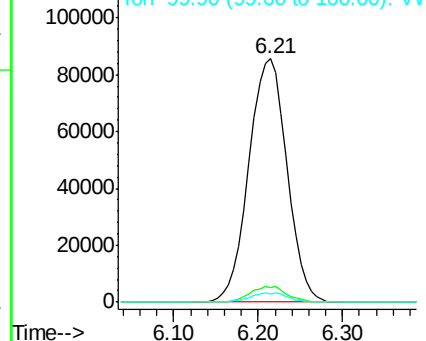
100 3.6 2.0 6.0

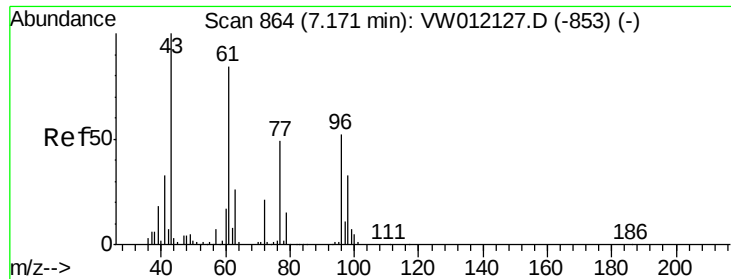


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 256.833 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 256285

Ion Ratio Lower Upper

43 100

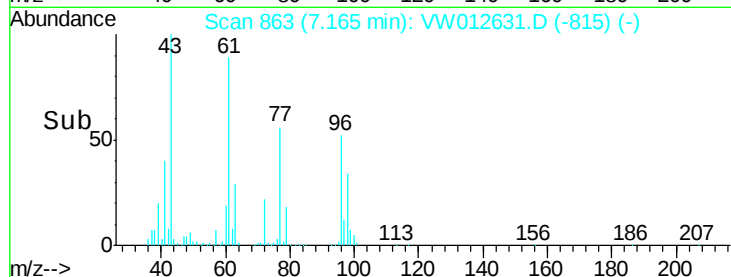
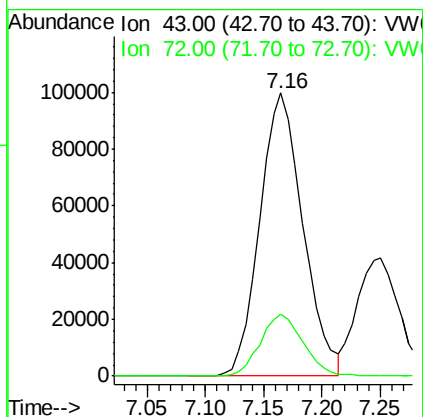
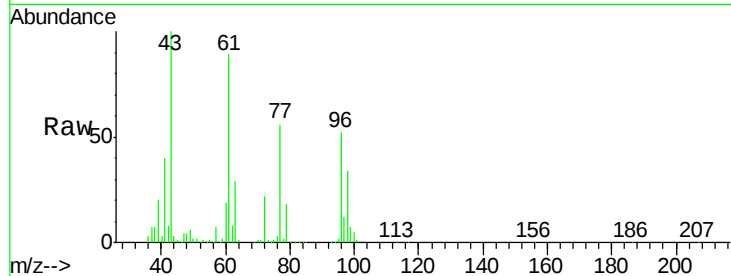
72 21.9 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:29:06 PM



#26

2,2-Dichloropropane

Concen: 54.637 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012631.D

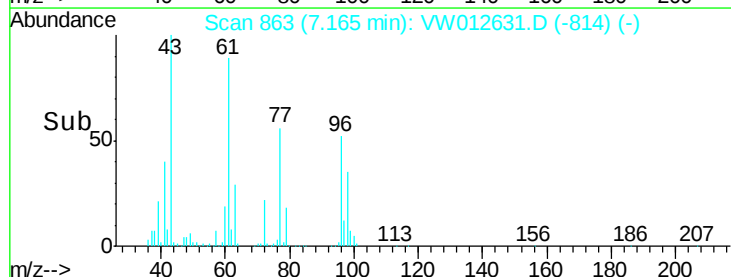
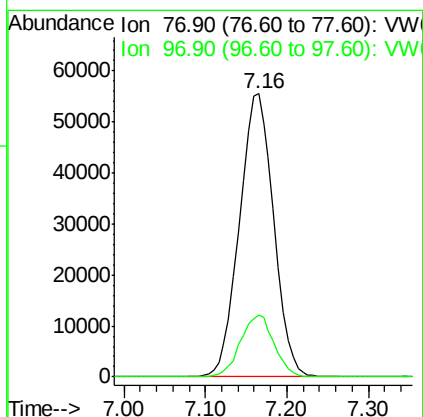
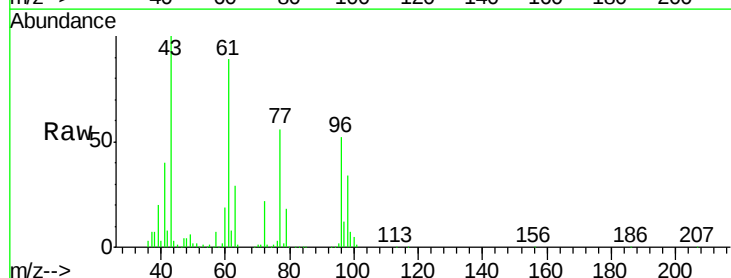
Acq: 05 Sep 2019 10:37

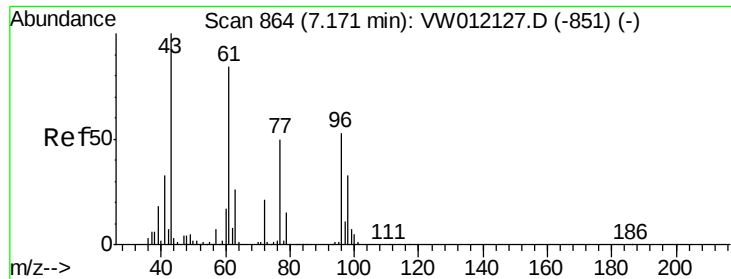
Tgt Ion: 77 Resp: 161739

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1





#27

cis-1,2-Dichloroethene
Concen: 50.596 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

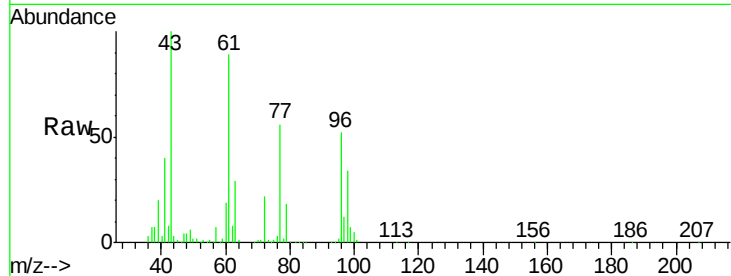
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.7	0.0	326.6	
98	64.7	0.0	127.4	

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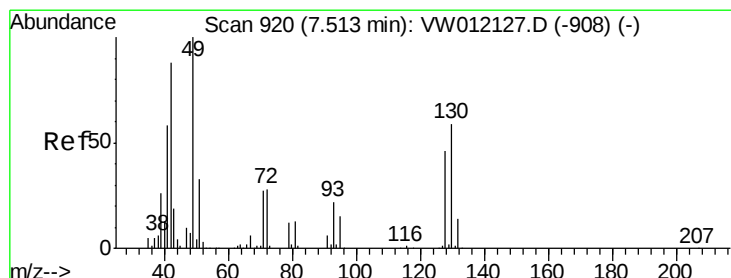
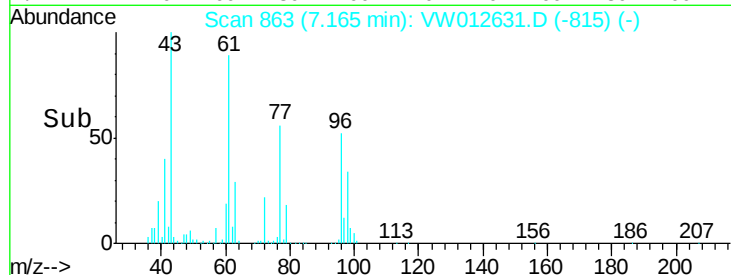
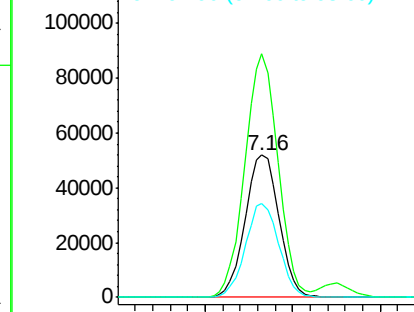


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

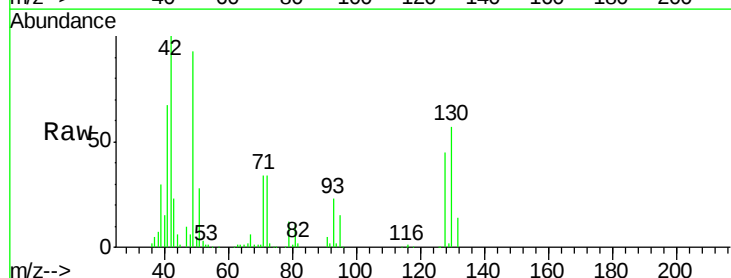
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 46.229 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.7	0.0	1.4	
130	59.9	45.5	68.3	

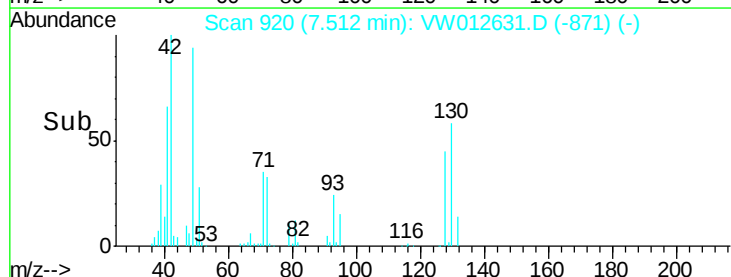
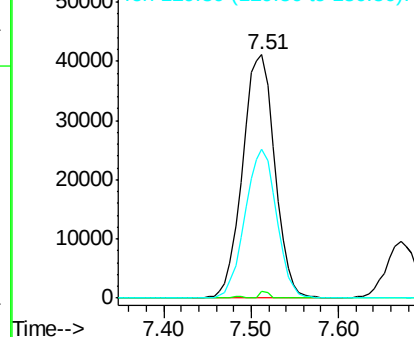


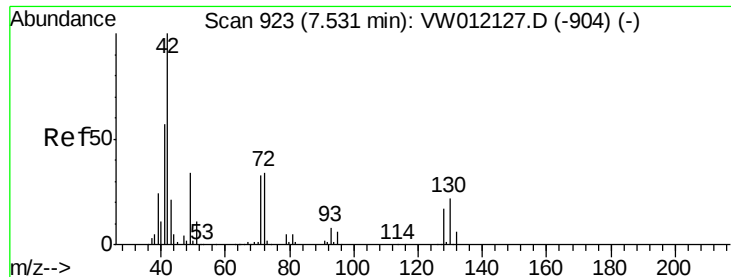
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29
Tetrahydrofuran
Concen: 256.585 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

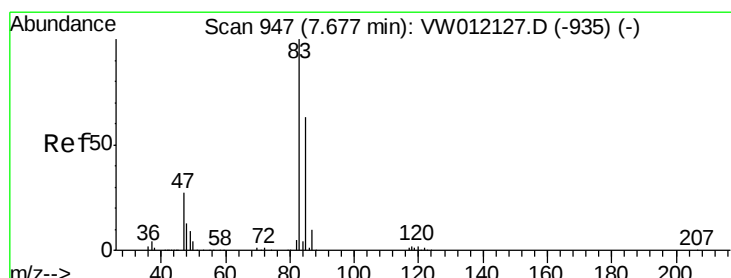
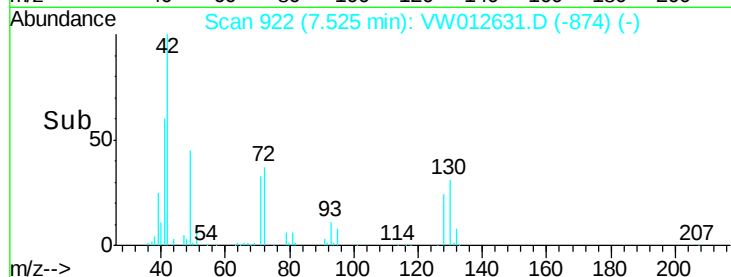
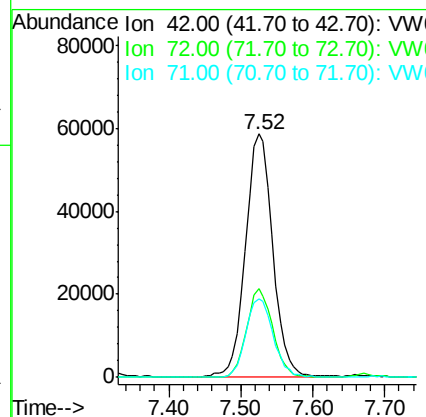
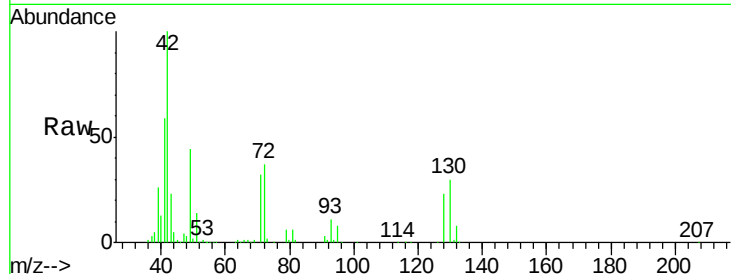
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	153612
Ion Ratio		Lower	Upper
42	100		
72	35.3	27.3	40.9
71	32.5	25.5	38.3

Manual Integrations
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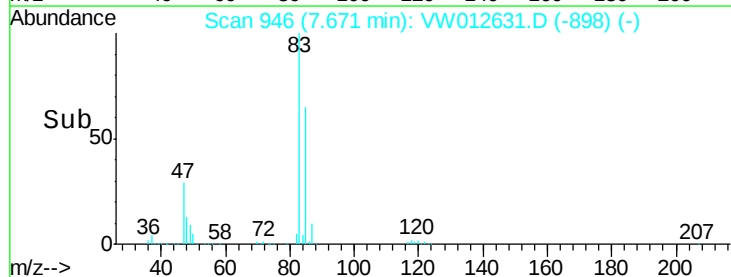
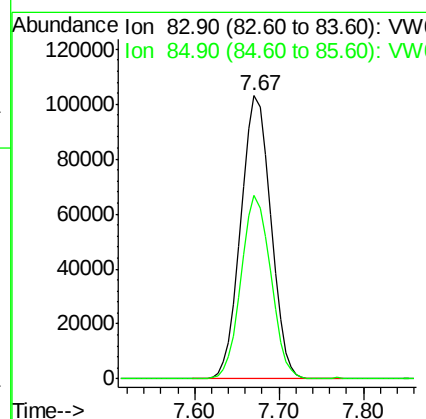
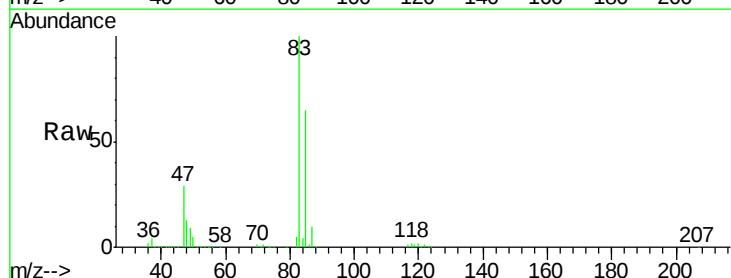
MMDadoda

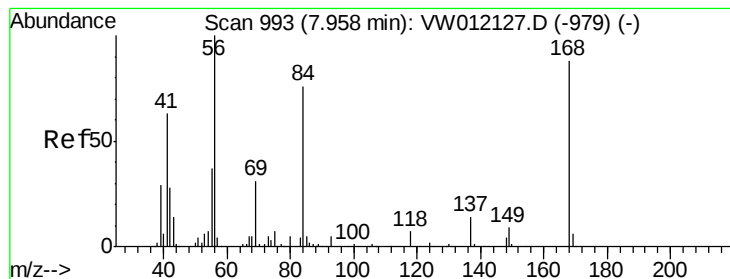
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#30
Chloroform
Concen: 52.032 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion:	83	Resp:	248969
Ion Ratio		Lower	Upper
83	100		
85	65.0	50.6	76.0





#31

Cyclohexane

Concen: 44.944 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

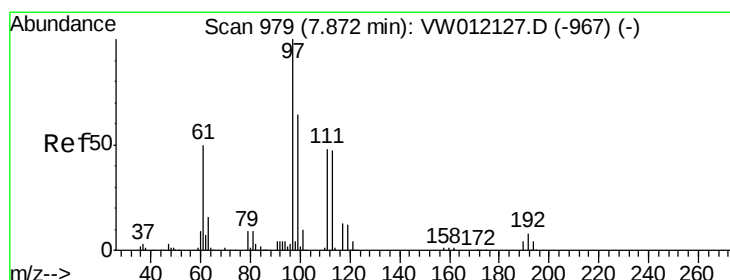
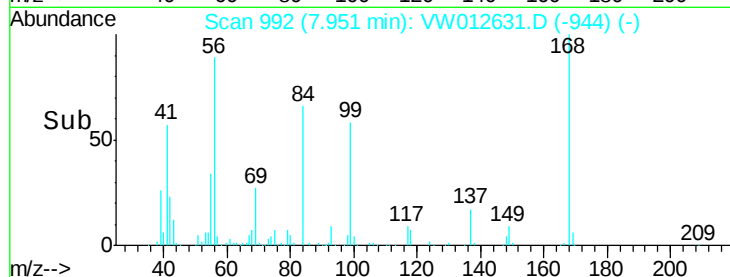
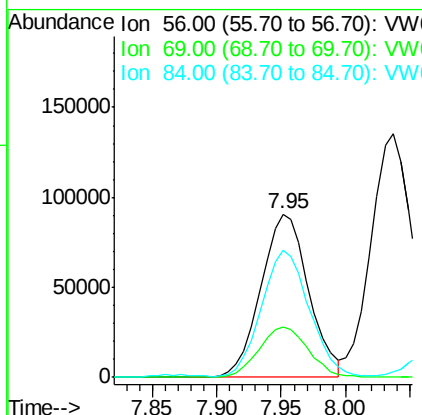
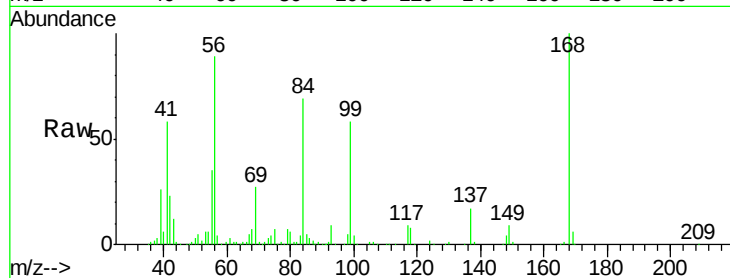
VSTDCCC050

Tot Ion:	56	Resp:	232556
Ion Ratio	Lower	Upper	
56	100		
69	30.7	24.9	37.3
84	76.9	60.6	90.8

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 55.165 ug/l

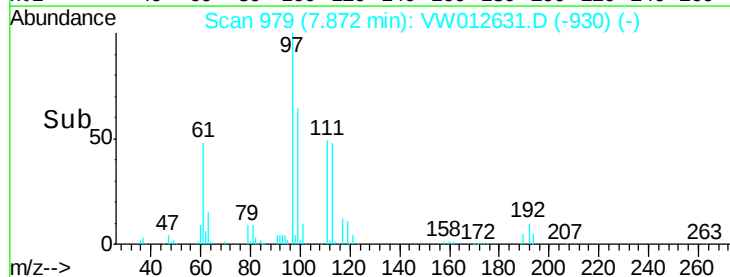
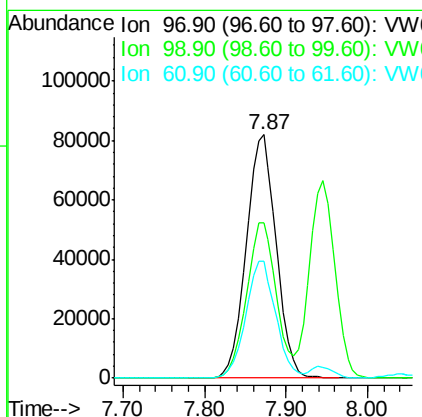
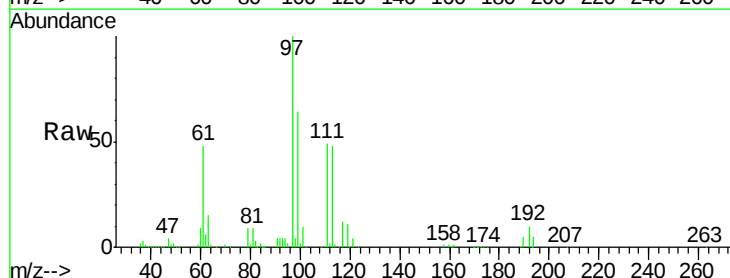
RT: 7.87 min Scan# 979

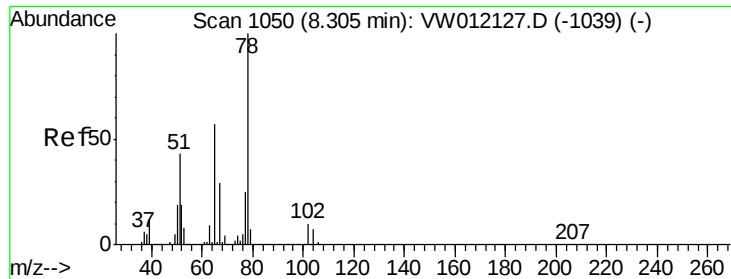
Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tgt Ion:	97	Resp:	208810
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.4	77.0
61	48.1	39.5	59.3





#33
 1,2-Dichloroethane-d4
 Concen: 49.749 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

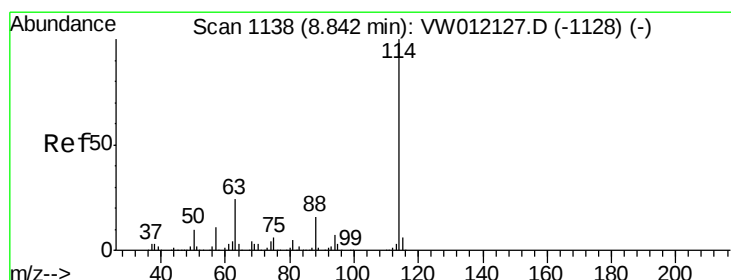
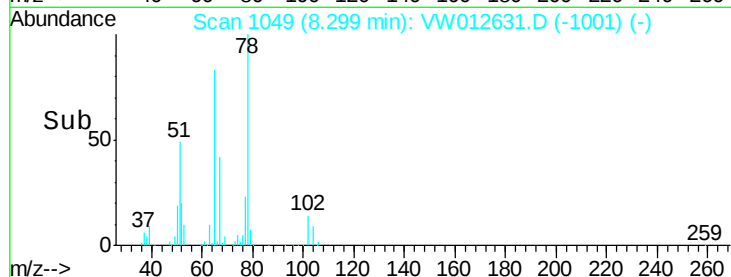
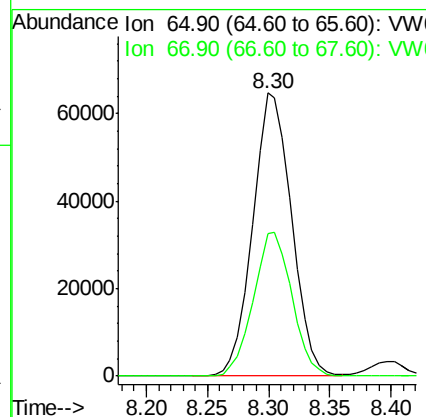
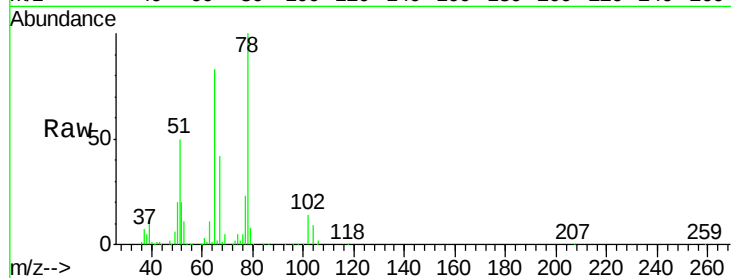
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	102.6	

Manual Integrations
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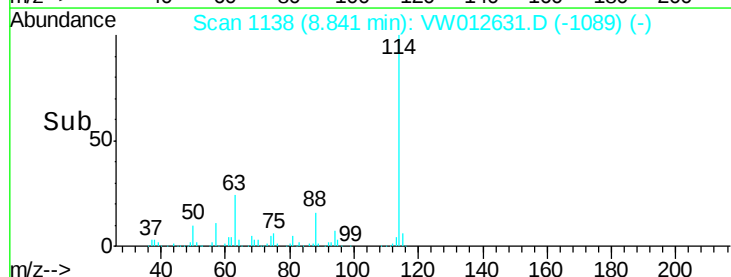
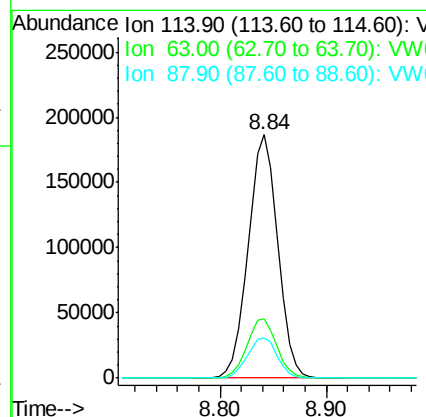
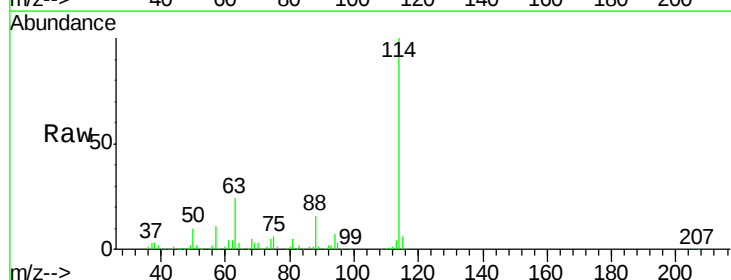
MMDadoda

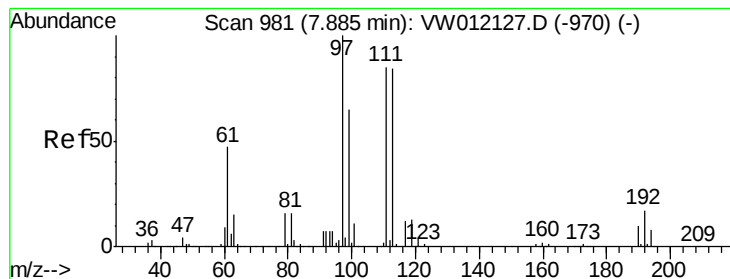
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.4	0.0	48.6	
88	16.4	0.0	32.2	





#35

Dibromofluoromethane

Concen: 51.532 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 113 Resp: 111849

Ion Ratio Lower Upper

113 100

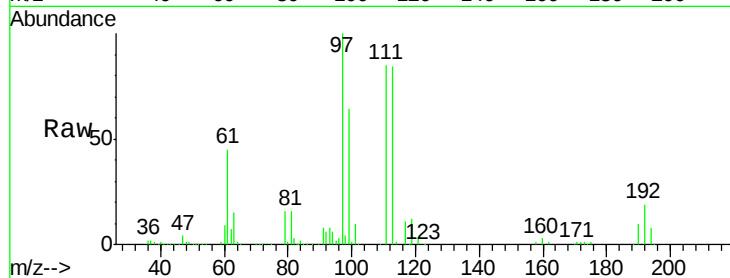
111 102.2 82.7 124.1

192 21.9 16.2 24.2

Manual Integrations
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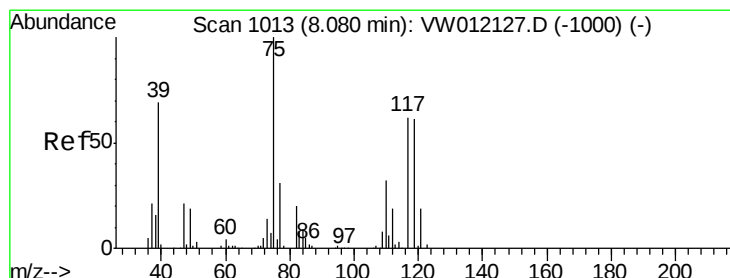
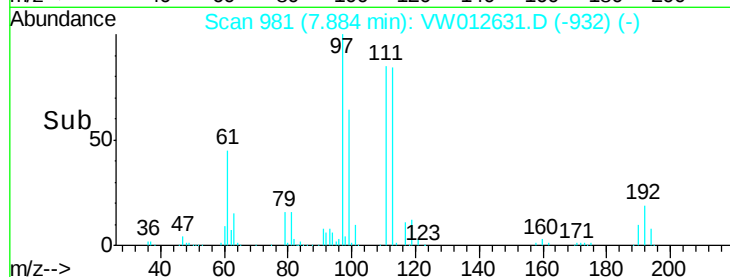
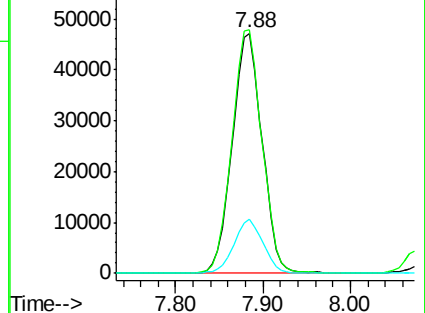
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 54.489 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

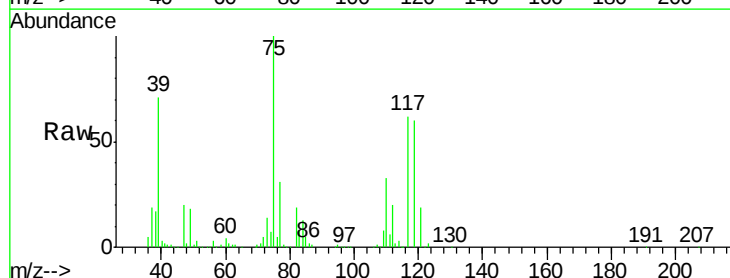
Tgt Ion: 75 Resp: 204750

Ion Ratio Lower Upper

75 100

110 31.2 15.6 46.8

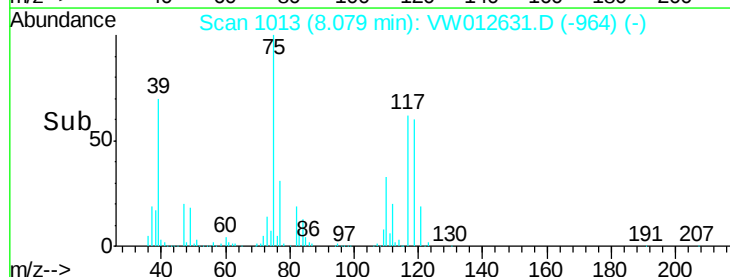
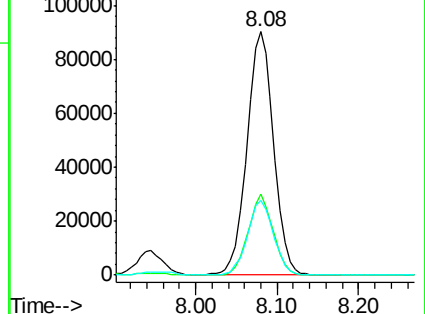
77 30.3 24.6 36.8

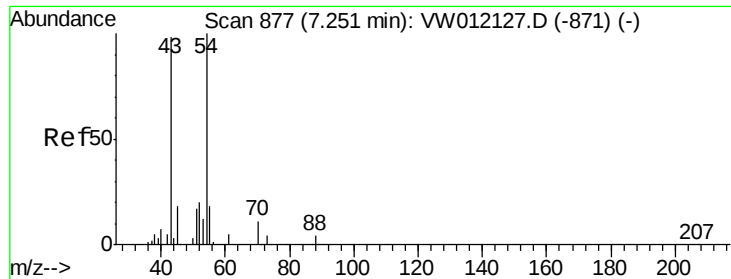


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37
Ethyl Acetate
Concen: 52.018 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

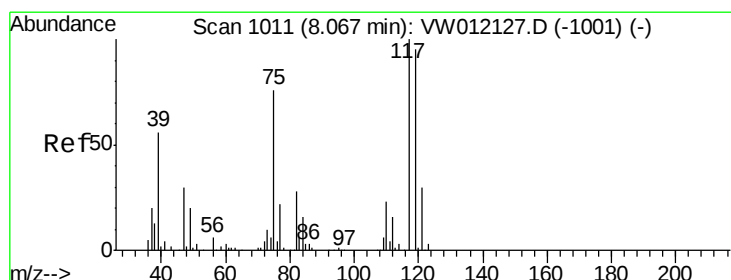
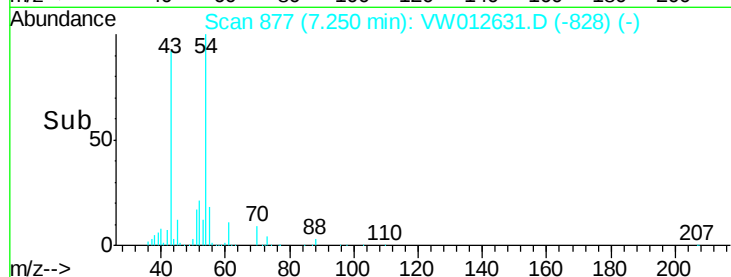
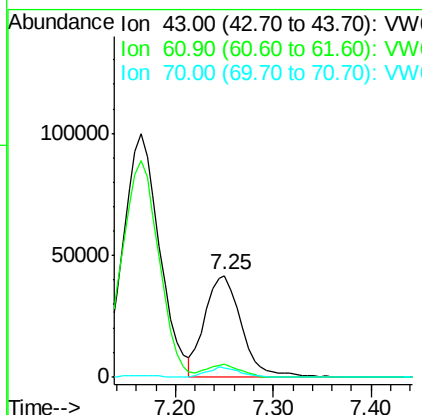
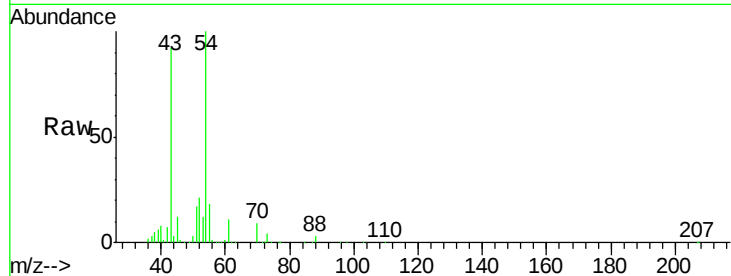
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	107112
Ion Ratio	Lower	Upper	
43	100		
61	11.9	9.2	13.8
70	9.3	6.9	10.3

Manual Integrations
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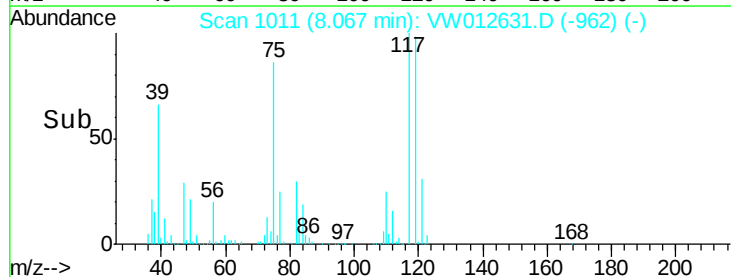
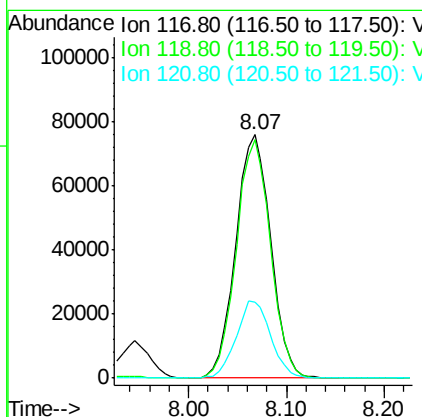
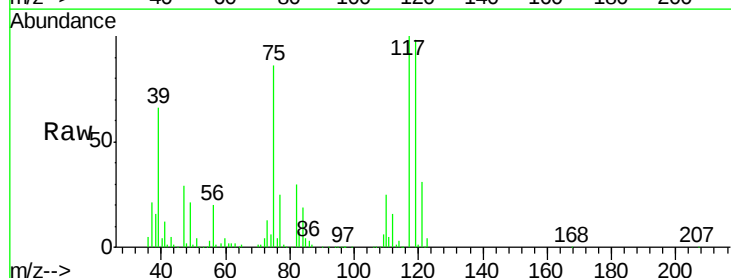
MMDadoda

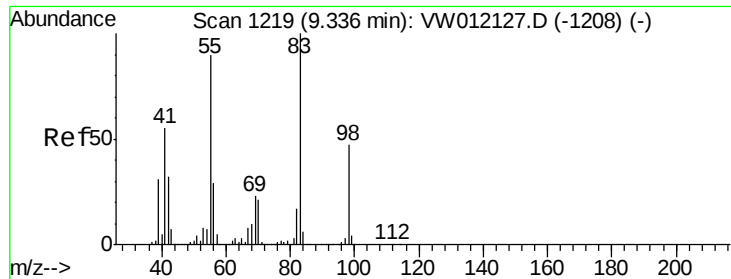
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#38
Carbon Tetrachloride
Concen: 58.109 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	117	Resp	188989
Ion Ratio	Lower	Upper	
117	100		
119	98.1	76.2	114.2
121	31.4	23.8	35.8





#39
Methvlcvclohexane
Concen: 51.814 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

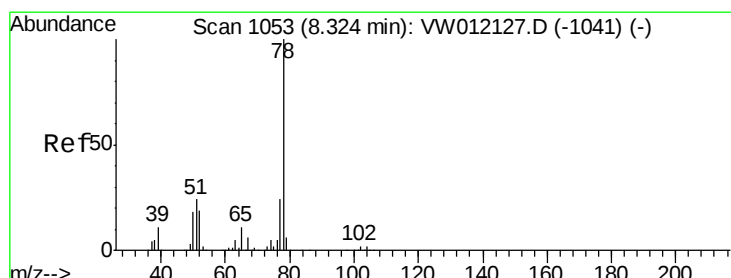
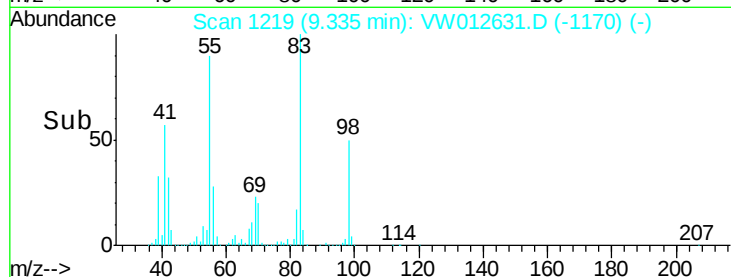
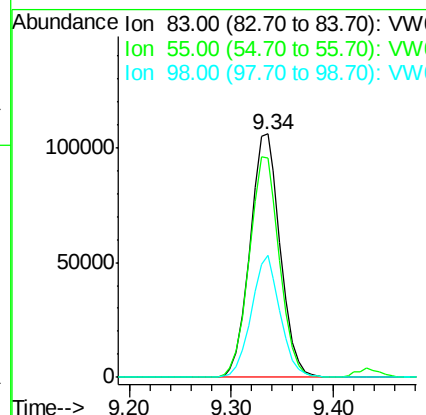
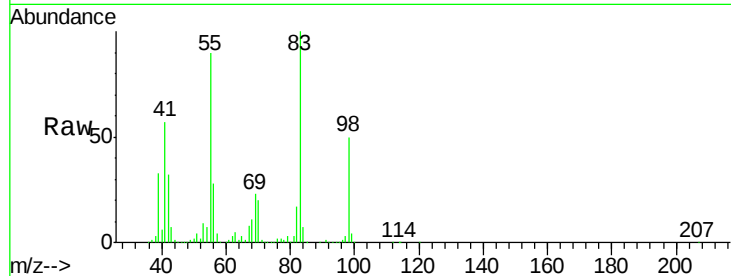
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	218725		
55	90.3		71.8	107.8
98	50.0		37.8	56.8

Manual Integrations
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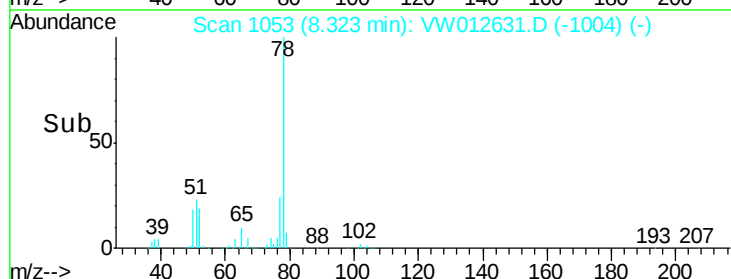
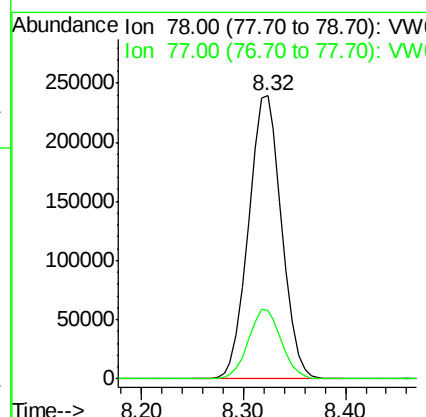
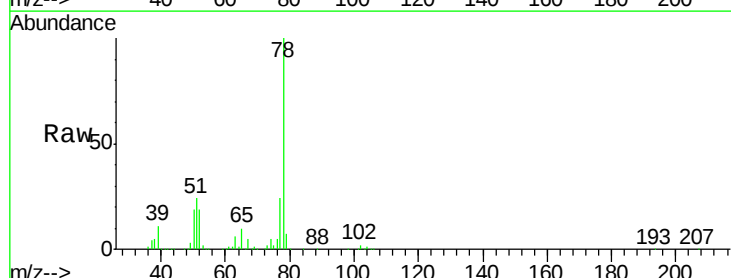
MMDadoda

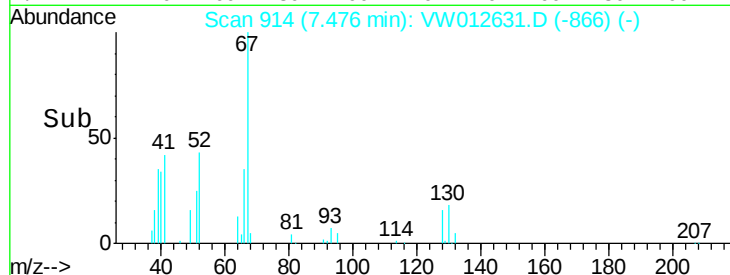
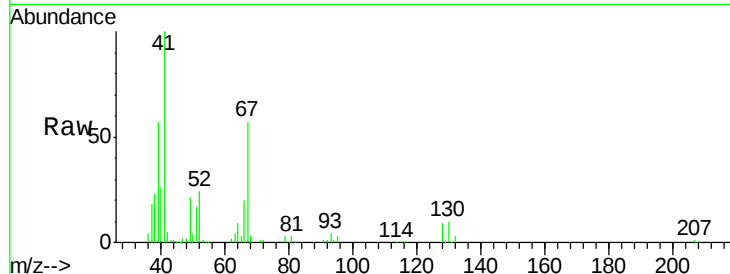
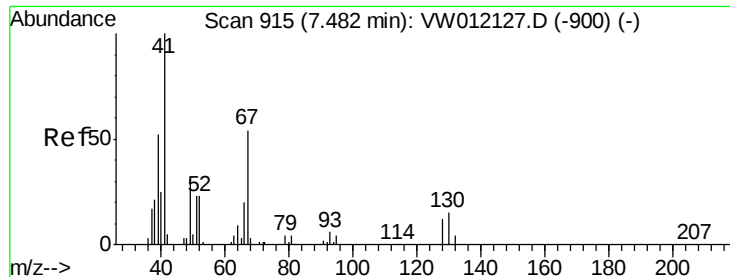
9/6/2019 12:29:06 PM



#40
Benzene
Concen: 52.589 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	539581		
77	24.3		19.5	29.3





#41
Methacrylonitrile
Concen: 51.775 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

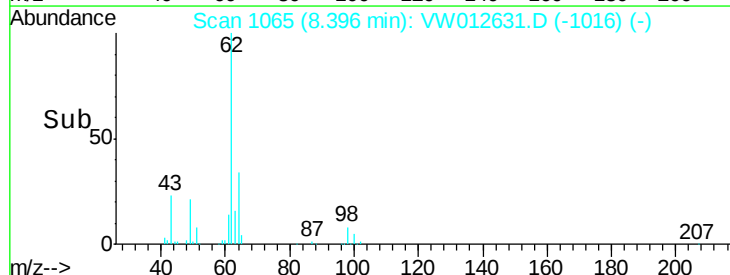
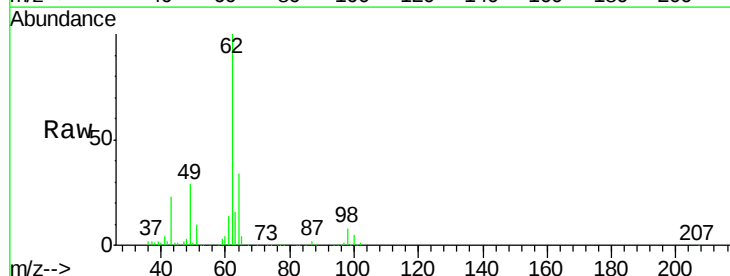
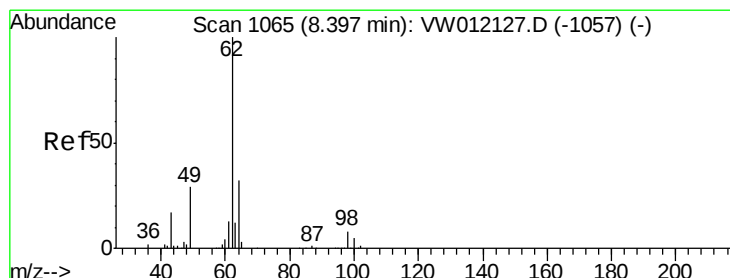
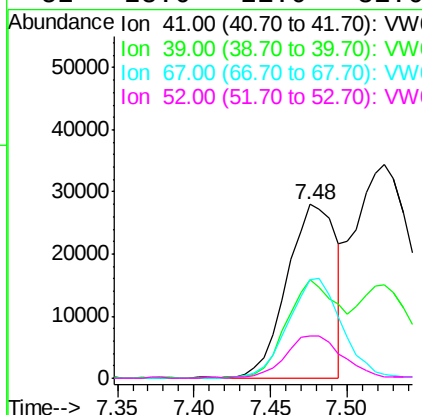
Tot Ion	41	Resp	62659
Ion	Ratio	Lower	Upper
41	100		
39	60.4	45.8	68.8
67	63.1	46.2	69.4
52	28.6	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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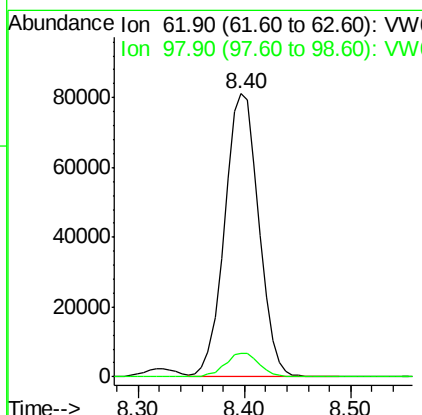
MMDadoda

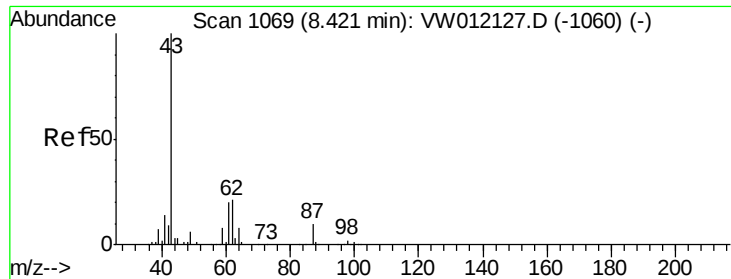
9/6/2019 12:29:06 PM



#42
1,2-Dichloroethane
Concen: 56.393 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	62	Resp	181344
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 54.397 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

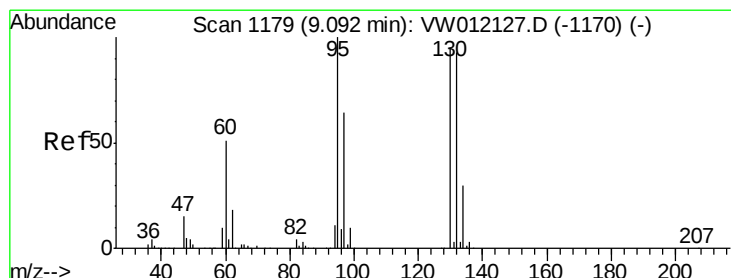
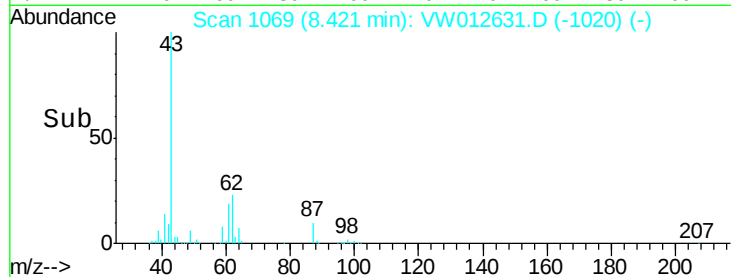
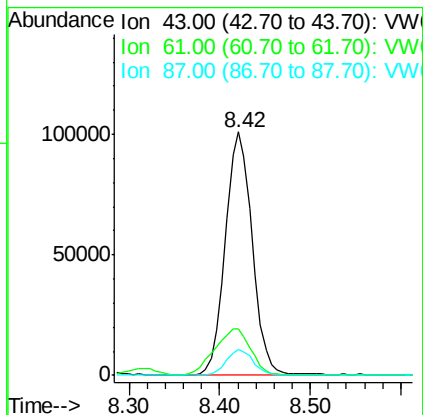
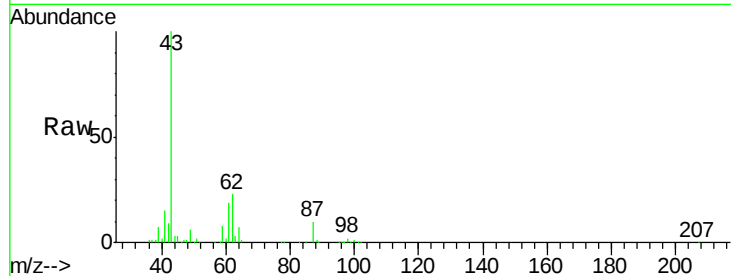
VSTDCCC050

Tot Ion:	43	Resp:	207479
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.1	31.7
87	10.6	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 54.924 ug/l

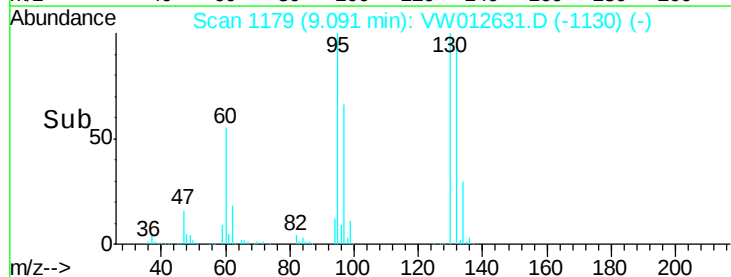
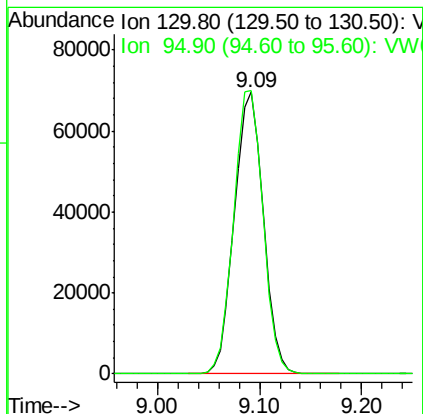
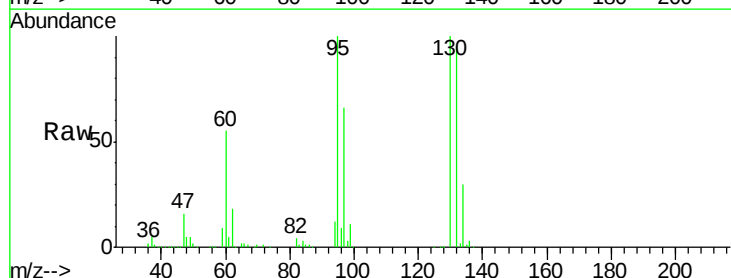
RT: 9.09 min Scan# 1179

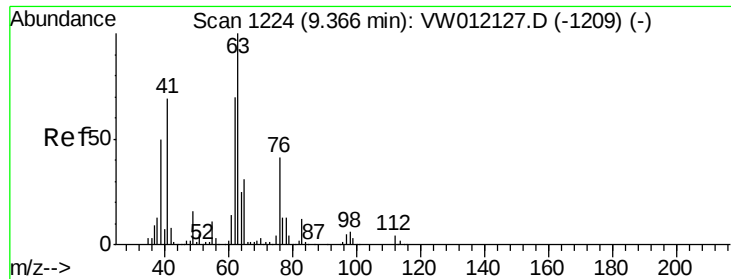
Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tgt Ion:	130	Resp:	136995
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	210.6





#45
 1,2-Dichloropropane
 Concen: 51.755 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

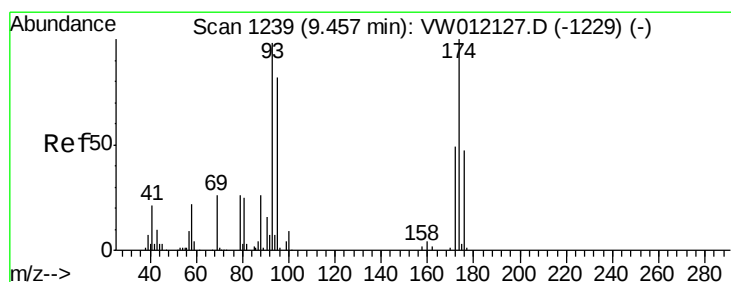
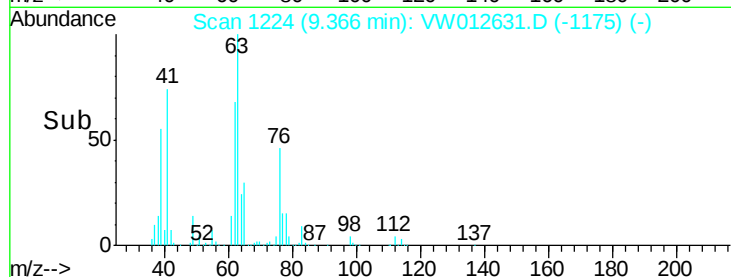
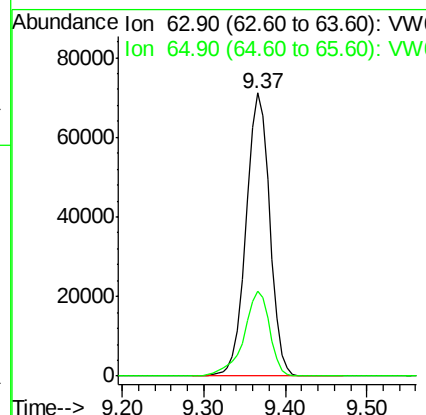
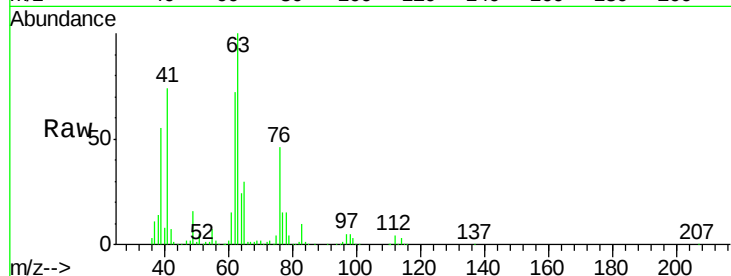
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.2	25.0	37.4	

Manual Integrations
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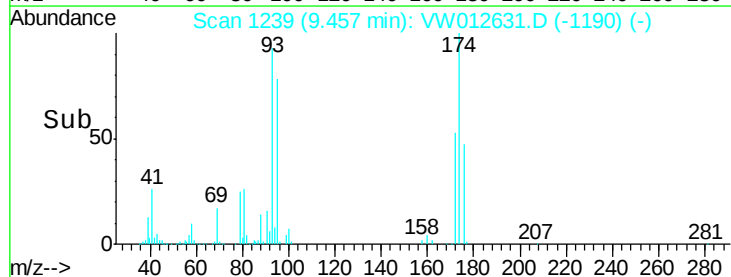
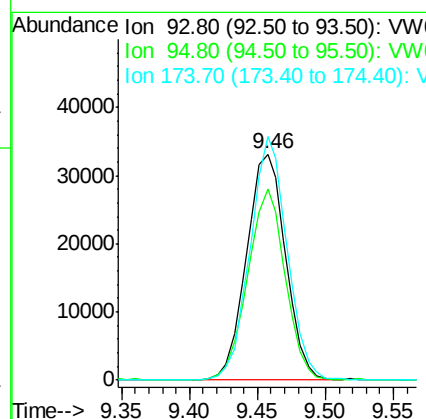
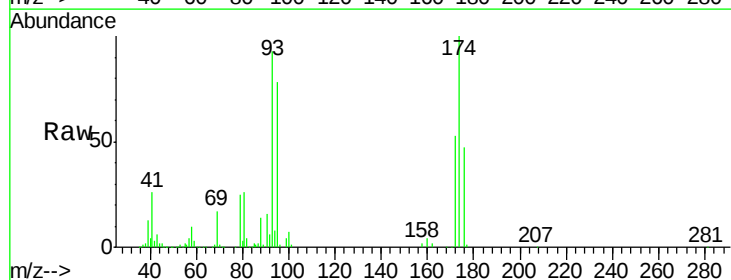
MMDadoda

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#46
 Dibromomethane
 Concen: 54.292 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	81.5	67.2	100.8	
174	102.2	79.0	118.6	





#47

Bromodichloromethane

Concen: 55.895 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

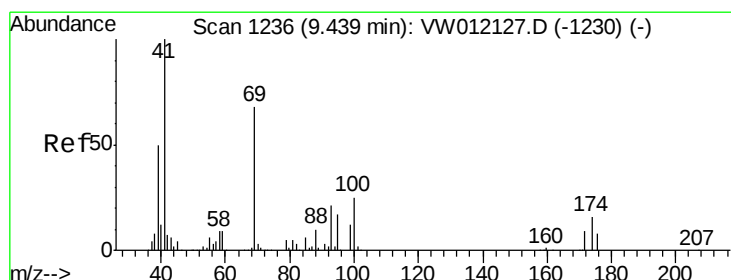
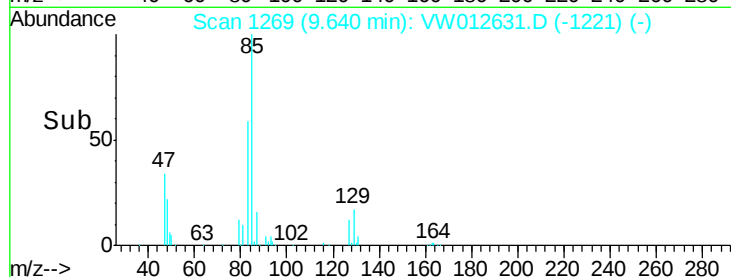
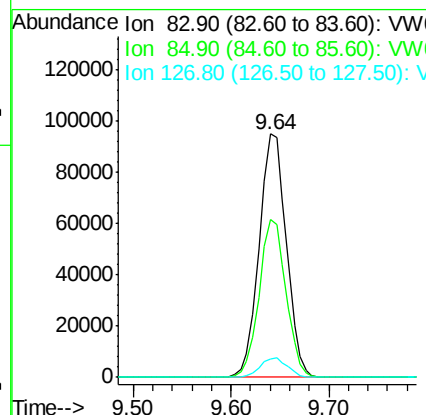
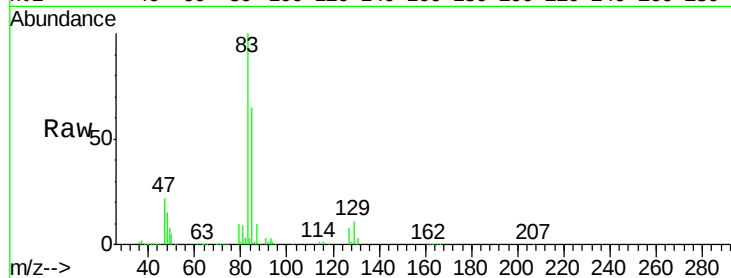
VSTDCCC050

Tot Ion:	83	Resp:	182772
Ion Ratio	Lower	Upper	
83	100		
85	64.9	49.4	74.2
127	7.7	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.486 ug/l

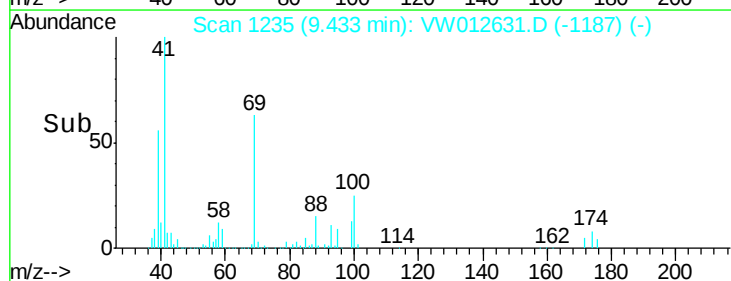
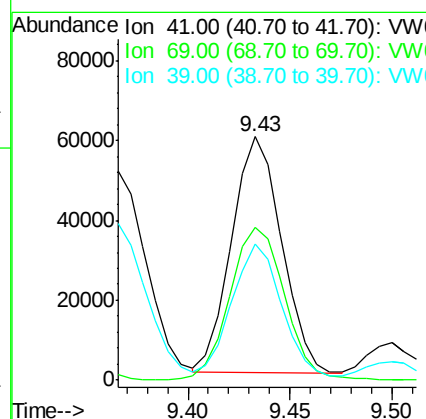
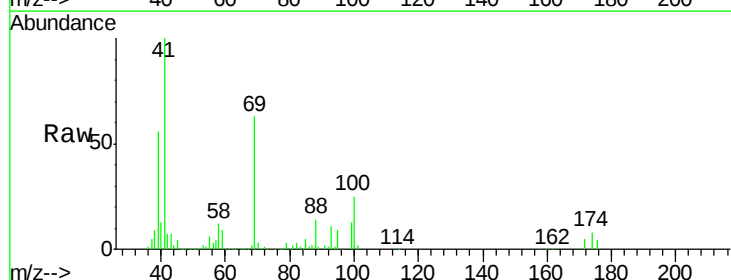
RT: 9.43 min Scan# 1235

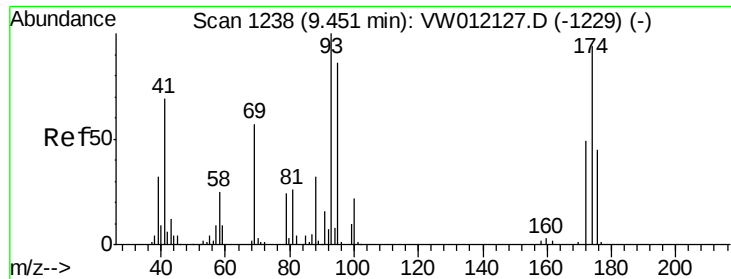
Delta R.T. -0.01 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tgt Ion:	41	Resp:	100725
Ion Ratio	Lower	Upper	
41	100		
69	70.7	56.7	85.1
39	58.8	42.0	63.0





#49
1,4-Dioxane
Concen: 1080.822 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

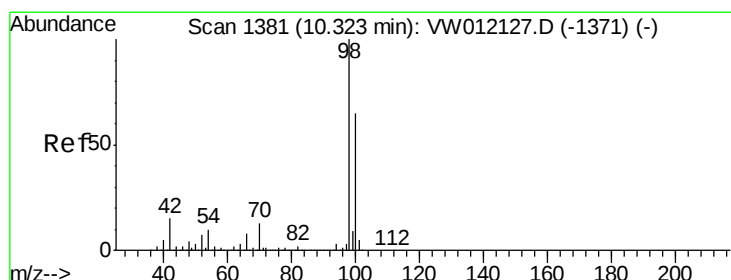
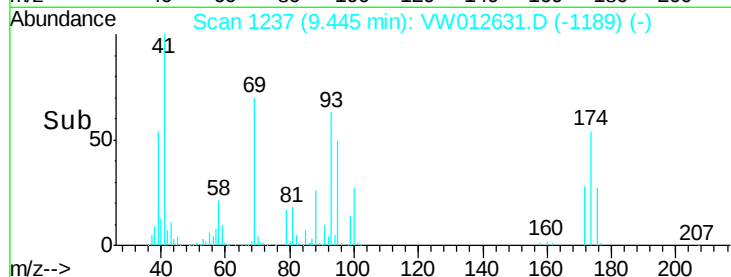
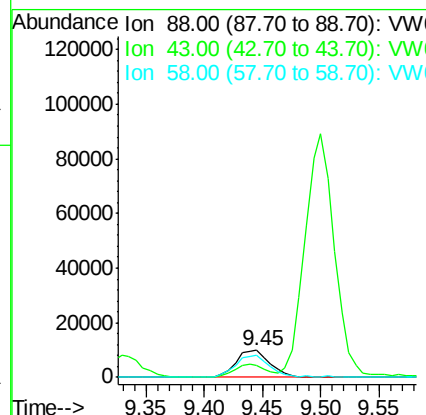
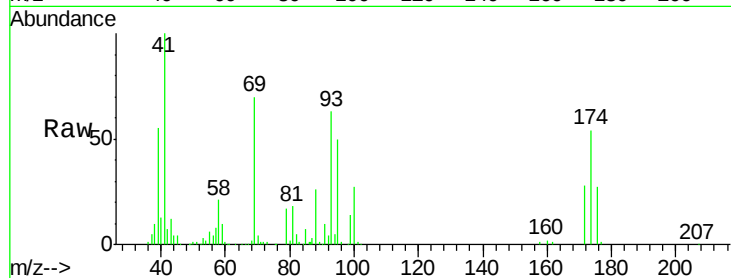
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	20329
Ion	Ratio	Lower	Upper
88	100		
43	45.3	32.9	49.3
58	85.3	71.0	106.4

Manual Integrations
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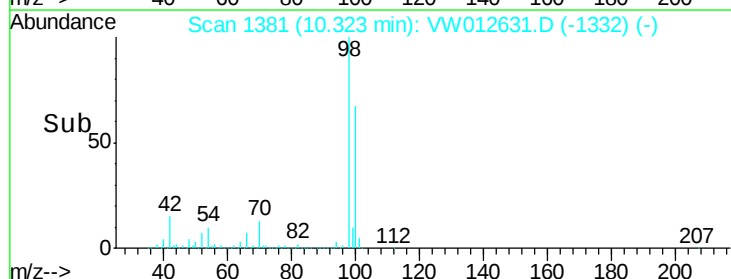
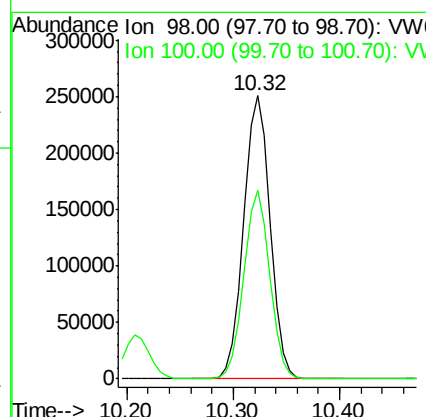
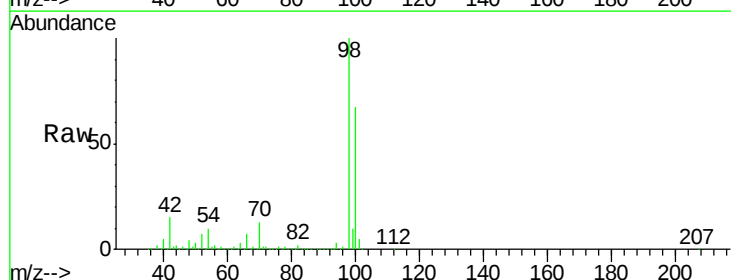
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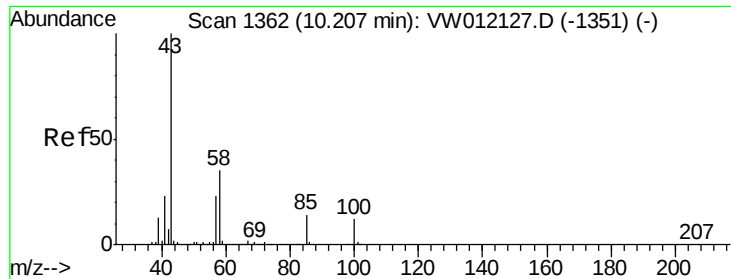
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#50
Toluene-d8
Concen: 49.876 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	98	Resp	438942
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





#51
 4-Methyl-2-Pentanone
 Concen: 275.497 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

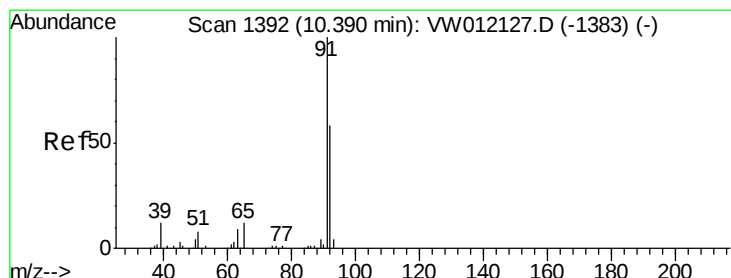
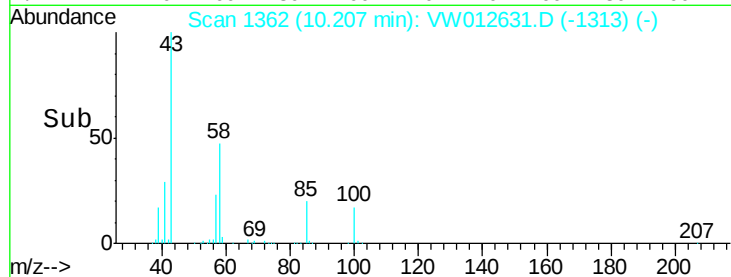
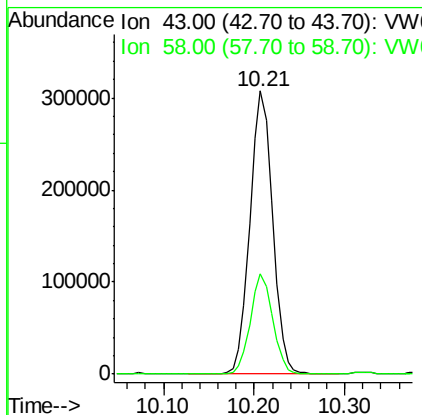
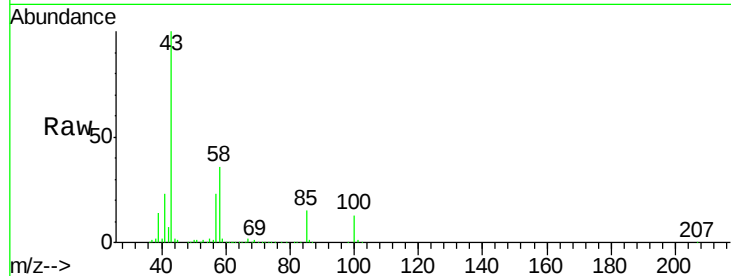
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.2	42.2

Manual Integrations
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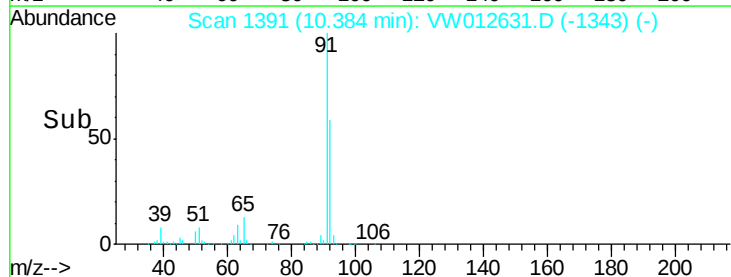
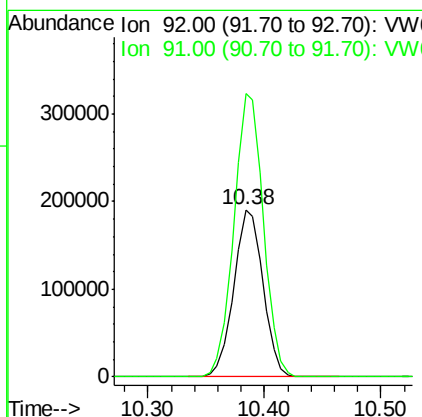
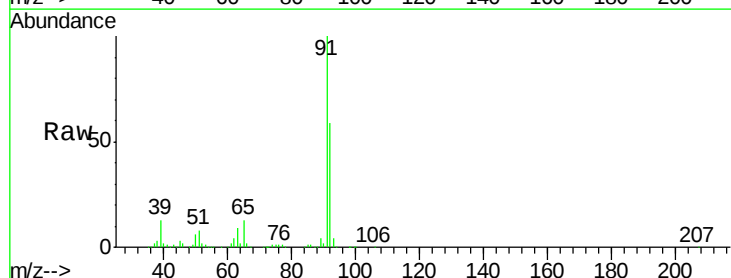
MMDadoda

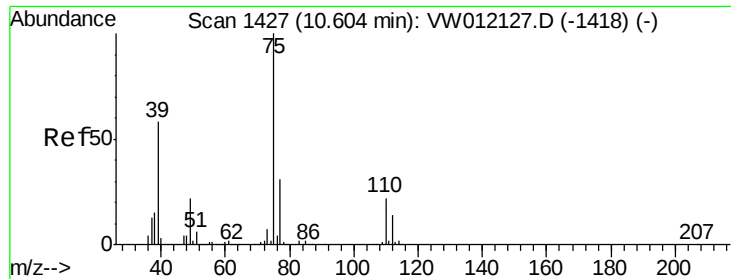
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#52
 Toluene
 Concen: 54.167 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.6	204.8





#53
t-1,3-Dichloropropene
Concen: 56.548 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

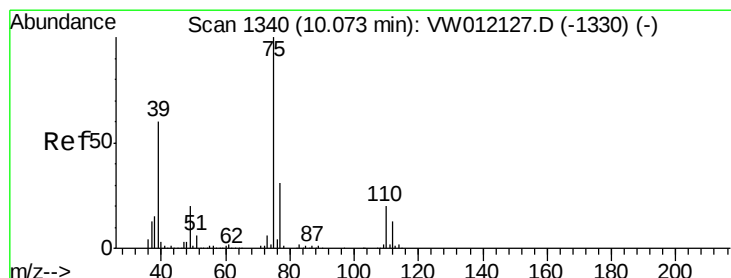
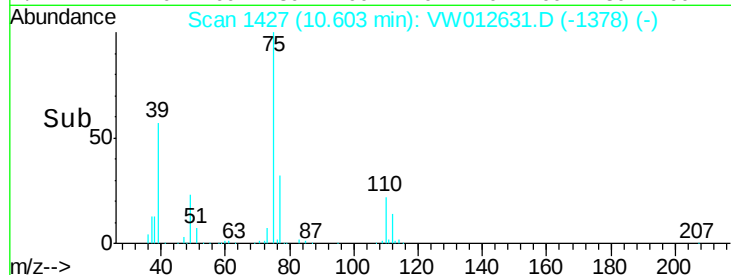
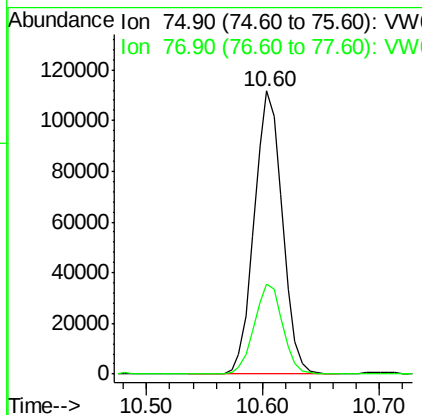
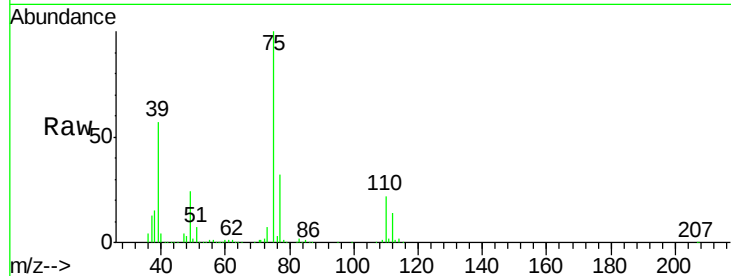
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	188349
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.0	37.4

Manual Integrations
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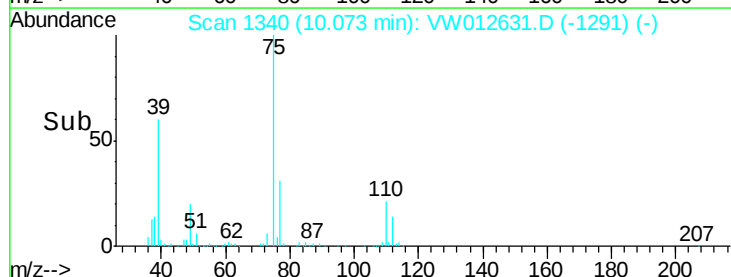
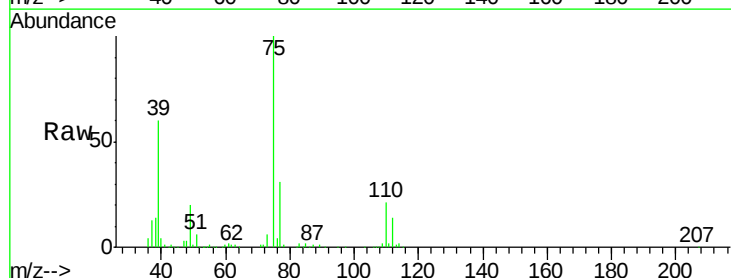
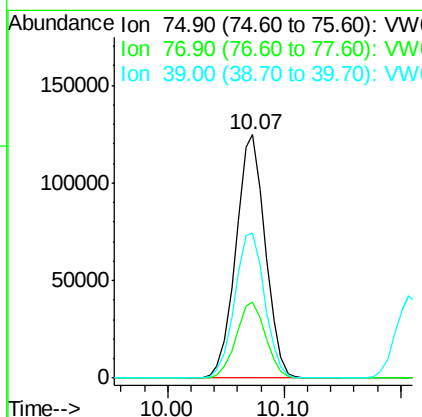
MMDadoda

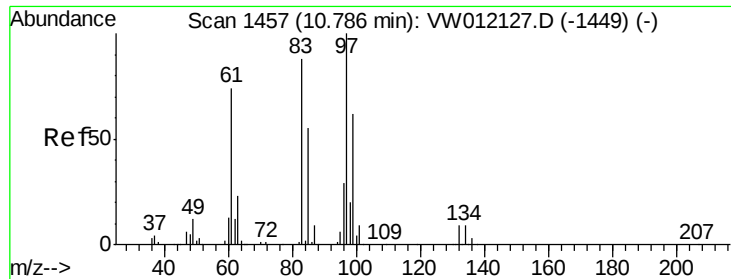
9/6/2019 12:29:06 PM



#54
cis-1,3-Dichloropropene
Concen: 54.471 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	75	Resp	219069
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.1	37.7
39	59.7	48.3	72.5





#55

1,1,2-Trichloroethane

Concen: 54.861 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

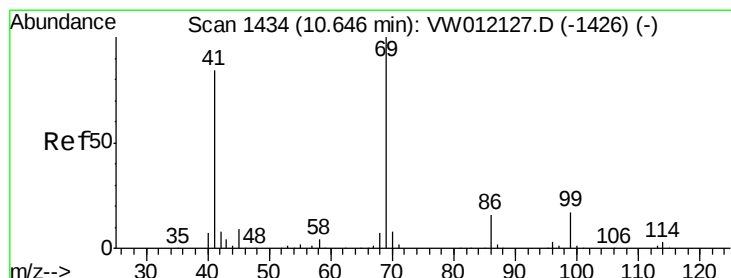
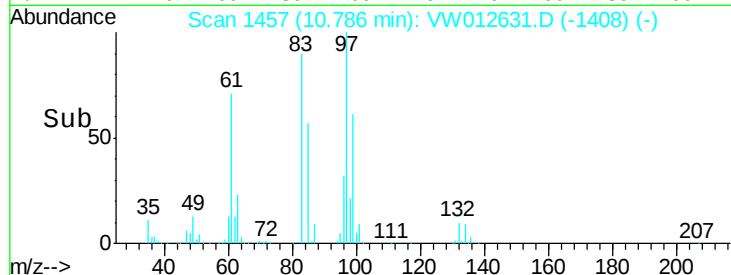
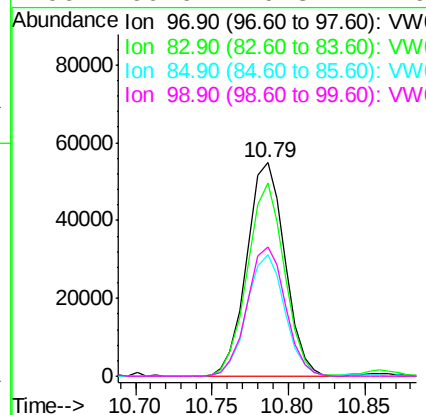
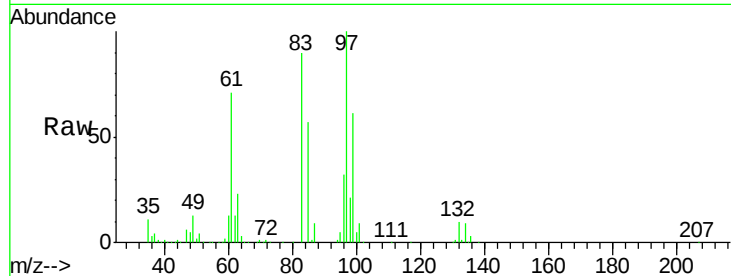
VSTDCCC050

Tot Ion:	97	Resp:	95367
Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.8	106.2
85	56.8	43.8	65.8
99	60.6	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.803 ug/l

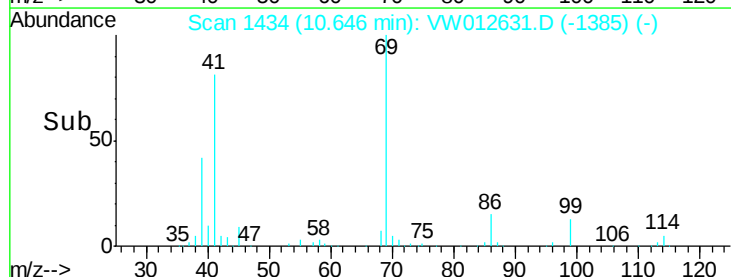
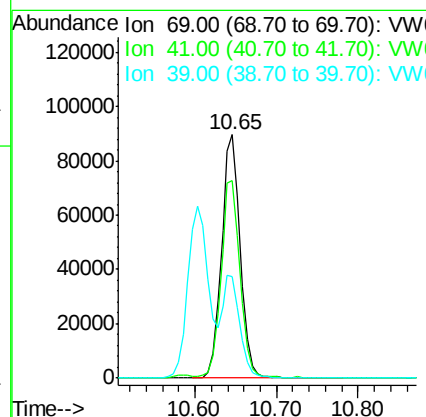
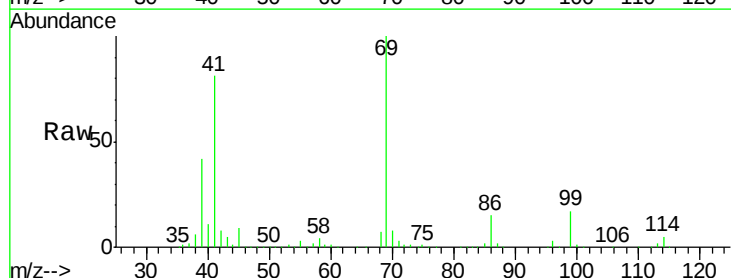
RT: 10.65 min Scan# 1434

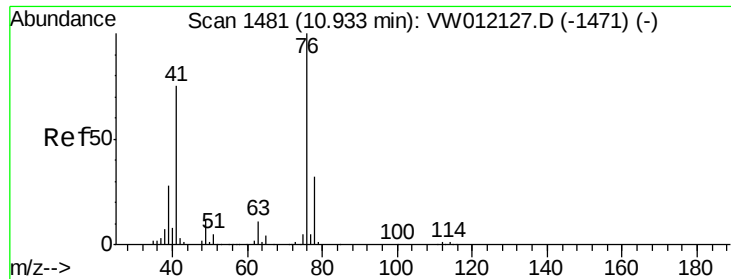
Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tgt Ion:	69	Resp:	143711
Ion	Ratio	Lower	Upper
69	100		
41	81.6	66.5	99.7
39	38.5	31.0	46.4





#57
 1,3-Dichloropropane
 Concen: 54.615 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

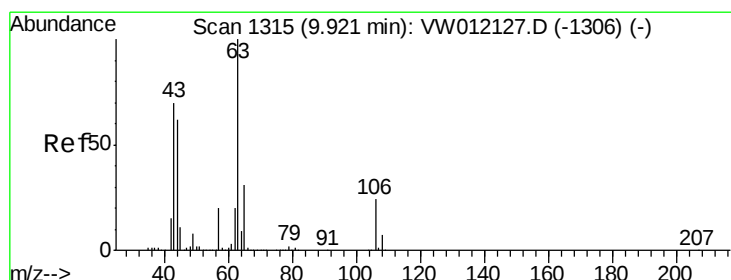
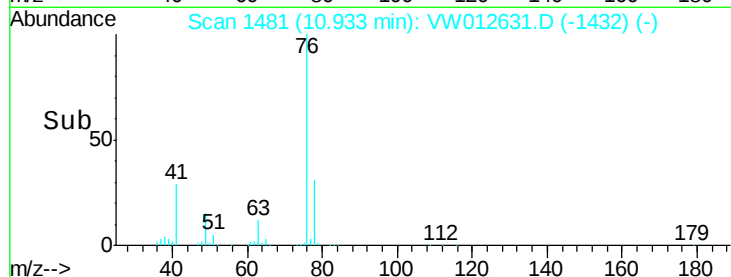
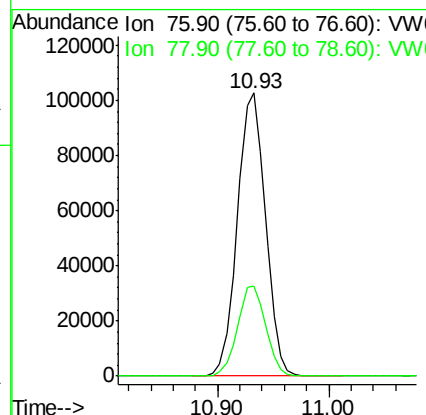
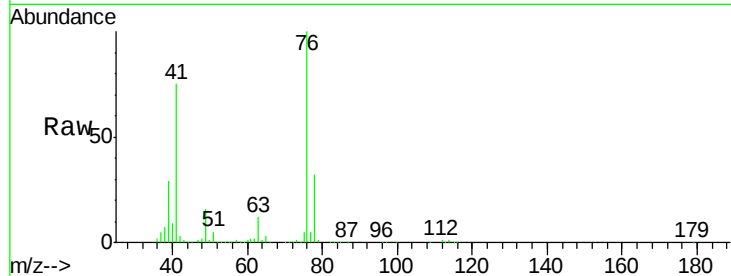
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8

Manual Integrations
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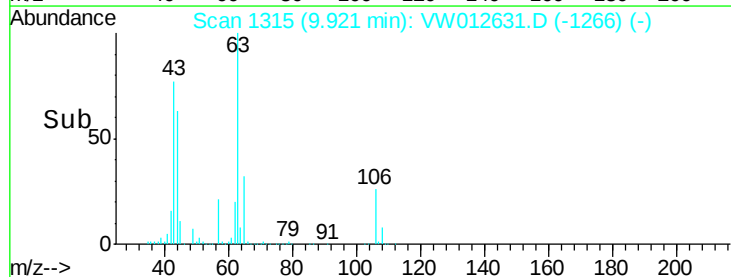
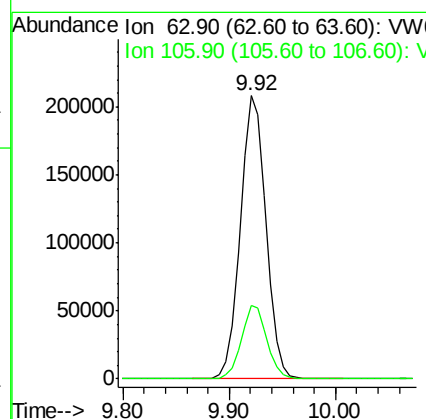
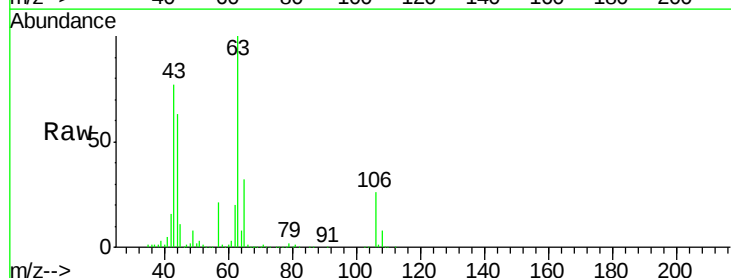
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#58
 2-Chloroethyl Vinyl ether
 Concen: 270.388 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	19.8	29.8





#59
2-Hexanone
Concen: 282.822 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

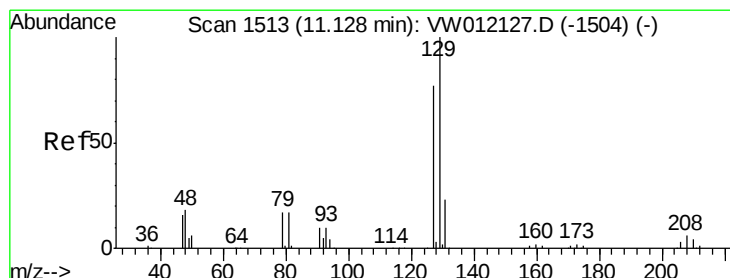
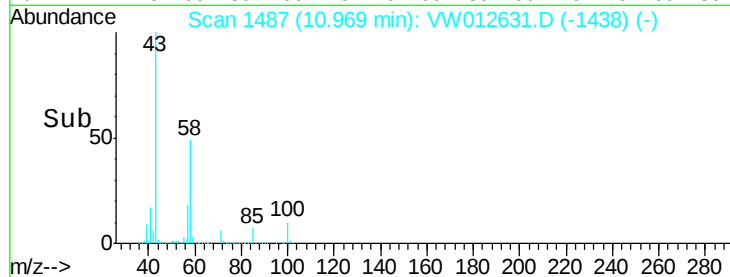
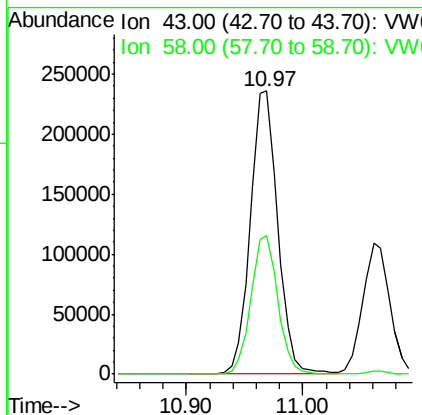
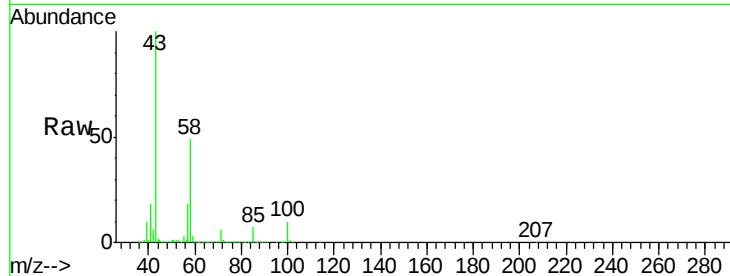
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.2	24.3	72.9

Manual Integrations
APPROVED

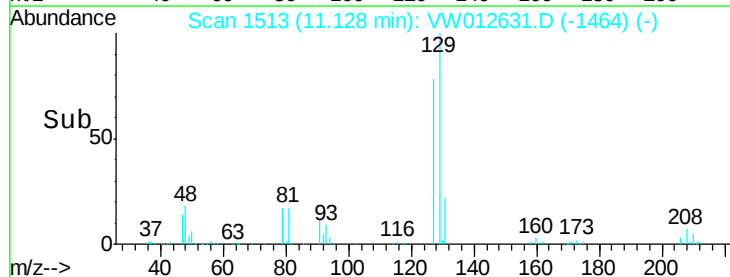
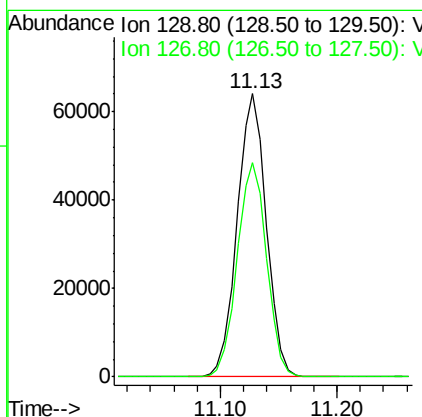
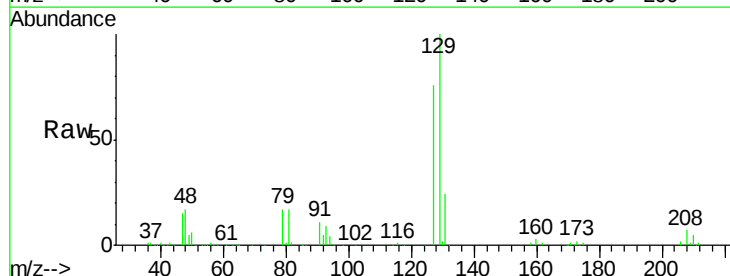
MMDadoda

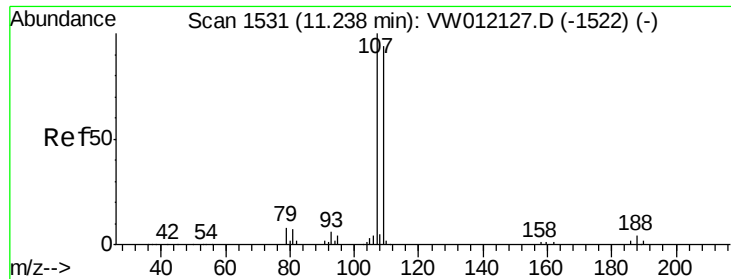
9/6/2019 12:29:06 PM



#60
Dibromochloromethane
Concen: 57.683 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.6	115.8





#61
 1,2-Dibromoethane
 Concen: 55.697 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

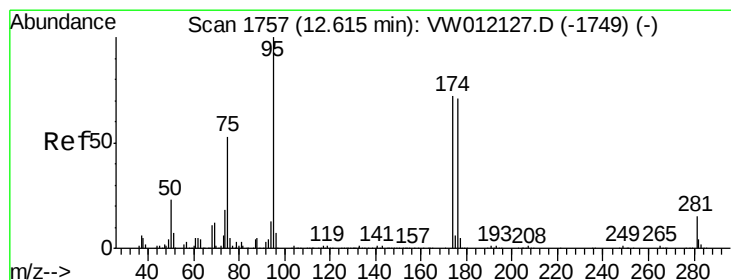
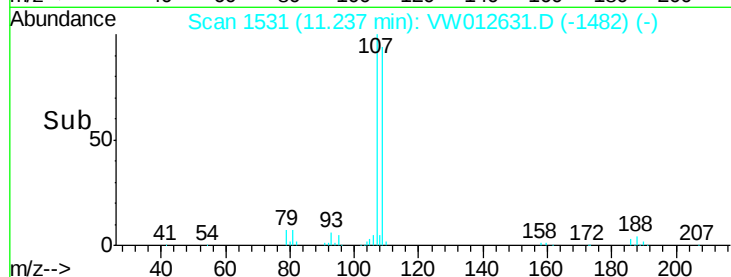
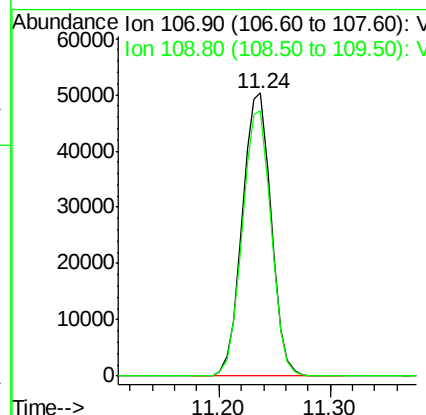
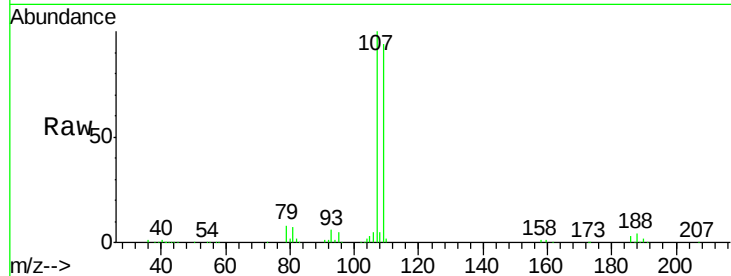
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

Manual Integrations
 APPROVED

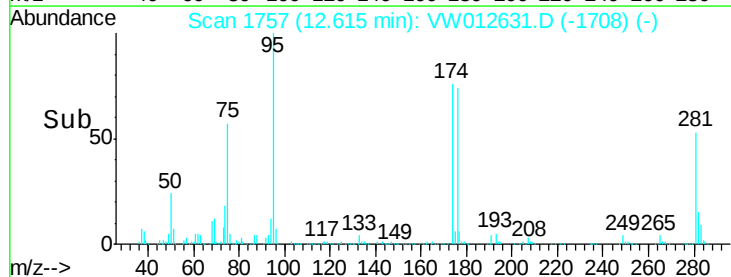
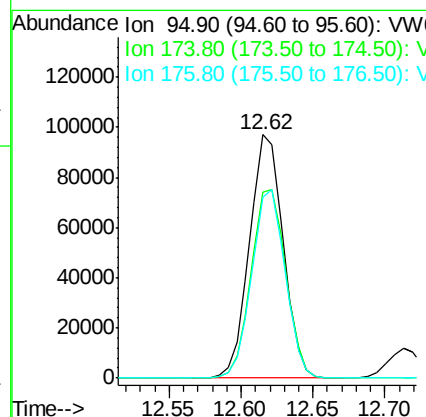
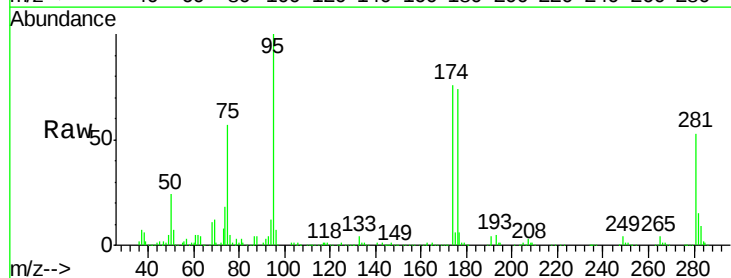
MMDadoda

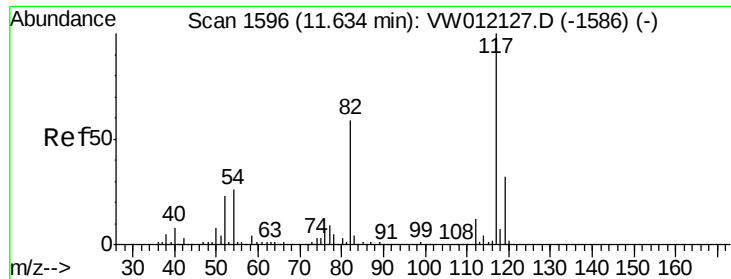
9/6/2019 12:29:06 PM



#62
 4-Bromofluorobenzene
 Concen: 50.532 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	150.8
176	76.6	0.0	148.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

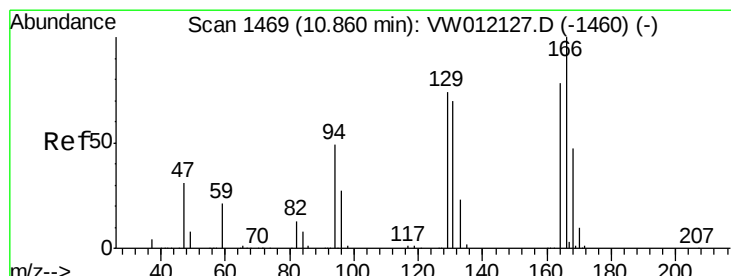
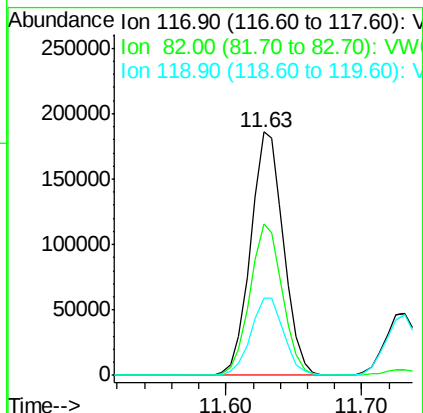
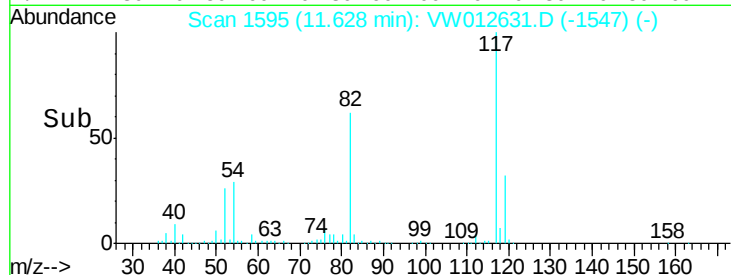
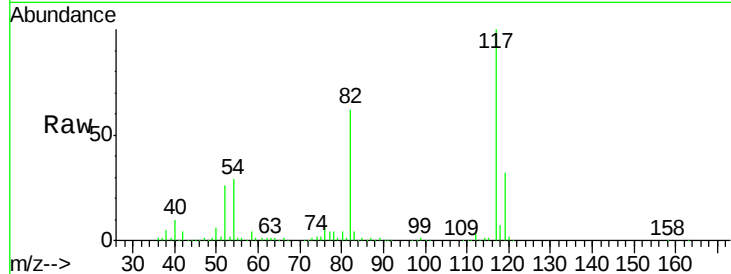
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	314205		
82	62.0	47.4	71.2	
119	31.8	25.4	38.2	

Manual Integrations
APPROVED

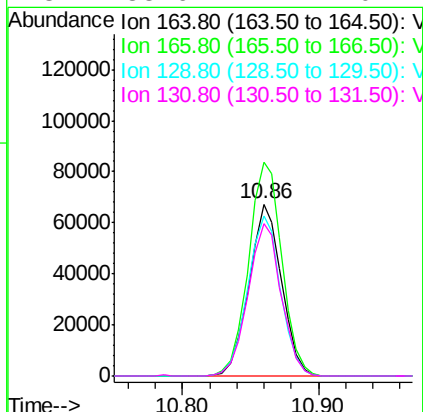
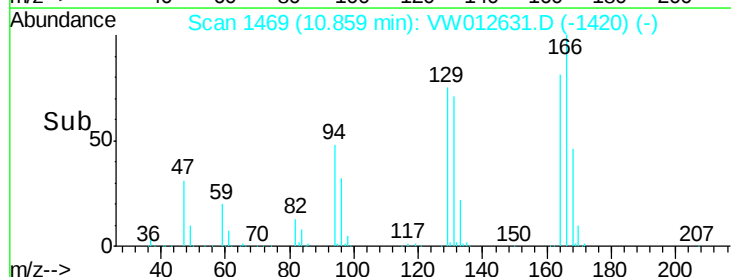
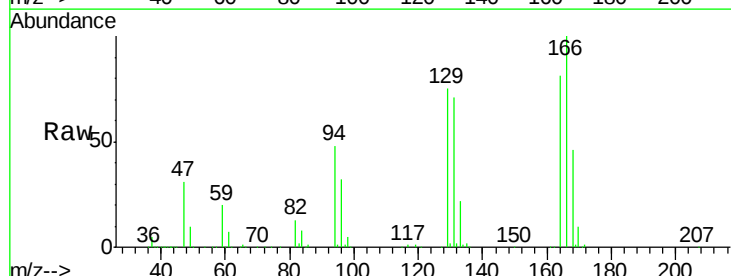
MMDadoda

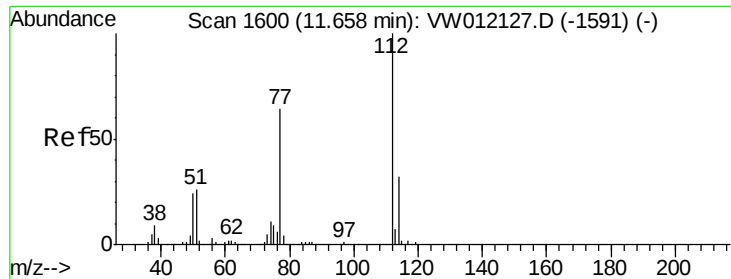
9/6/2019 12:29:06 PM



#64
Tetrachloroethene
Concen: 55.274 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112597		
166	124.0	102.4	153.6	
129	92.9	75.8	113.6	
131	88.6	71.4	107.2	





#65
Chlorobenzene
Concen: 53.883 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

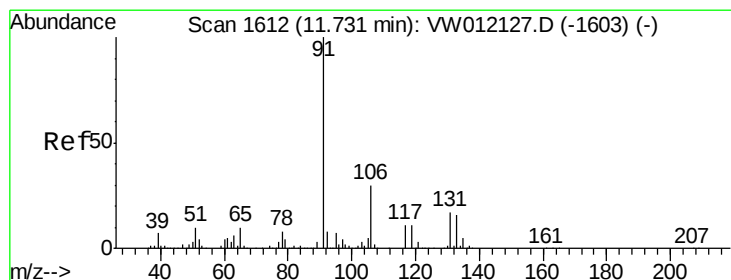
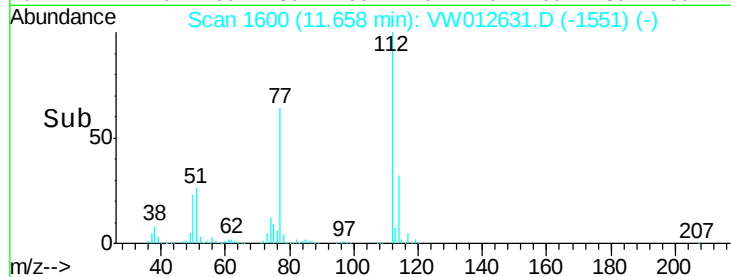
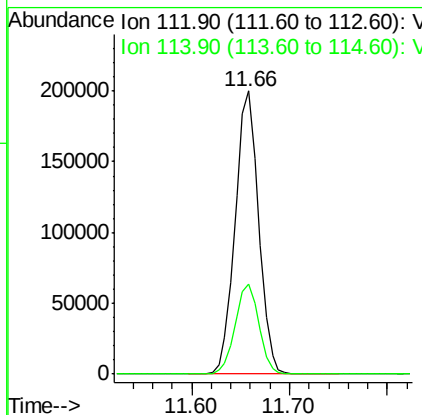
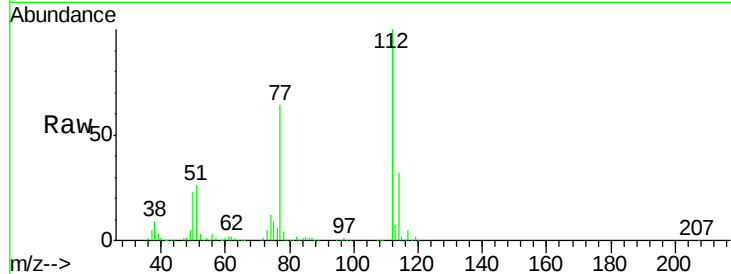
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

Manual Integrations
APPROVED

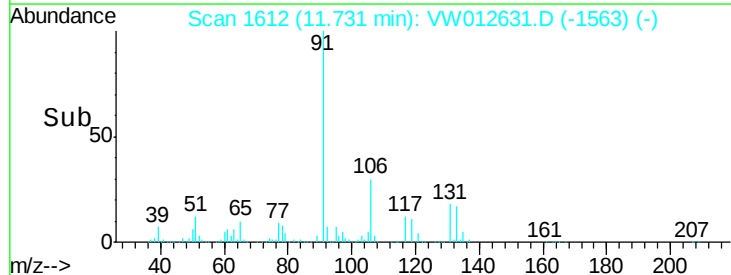
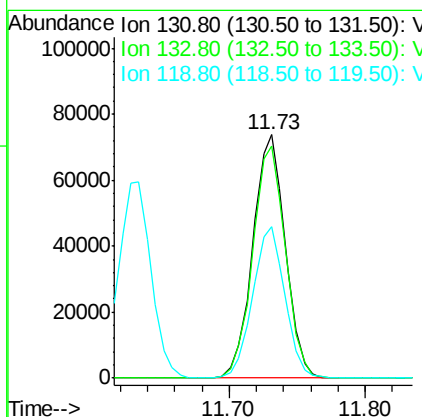
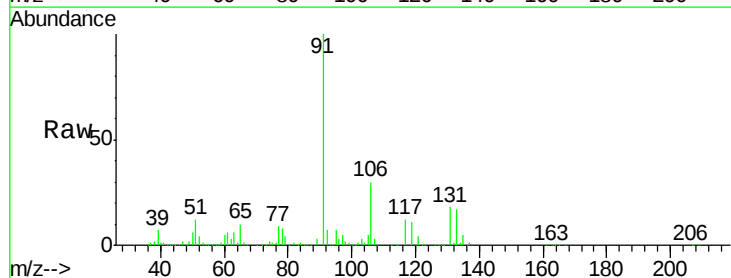
MMDadoda

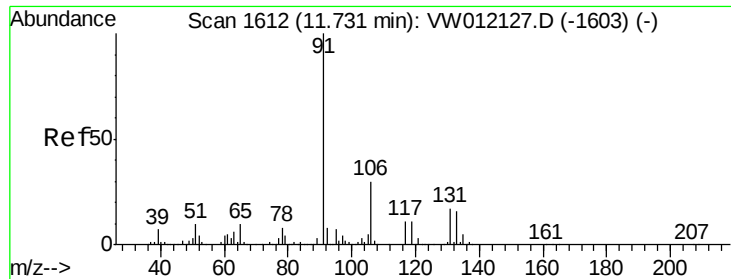
9/6/2019 12:29:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.233 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.1	141.3
119	61.8	31.8	95.3





#67
Ethyl Benzene
Concen: 55.086 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

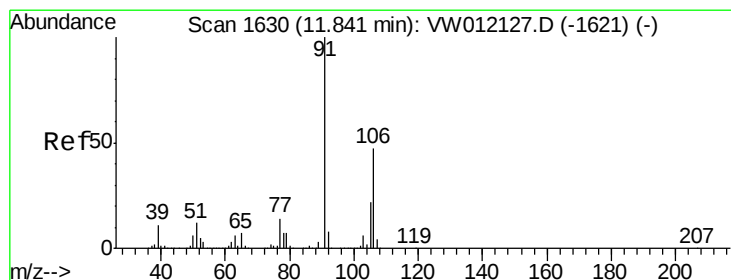
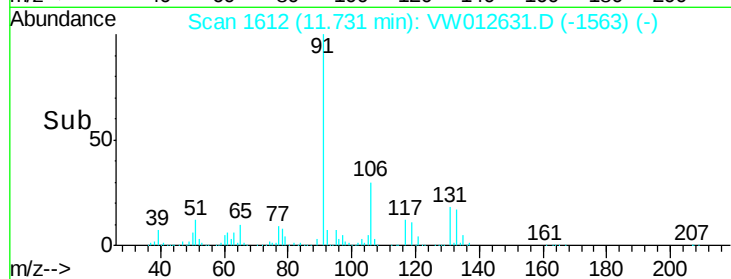
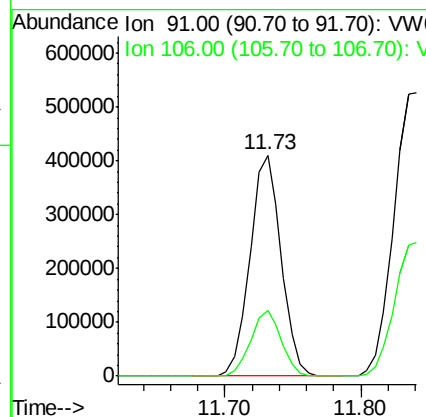
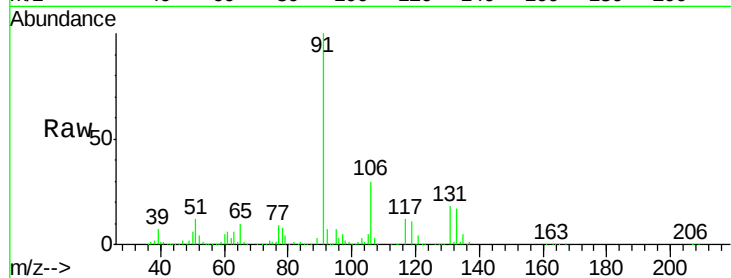
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.3	36.5

Manual Integrations
APPROVED

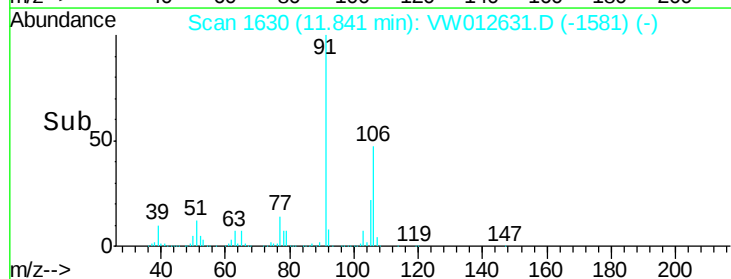
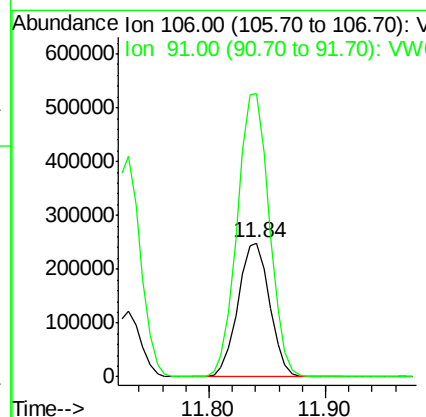
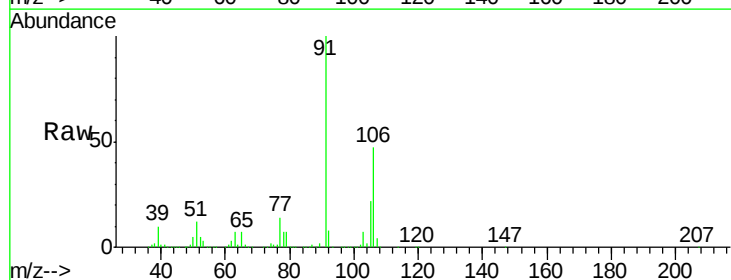
MMDadoda

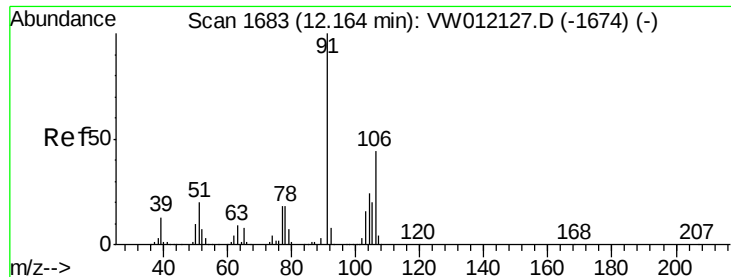
9/6/2019 12:29:06 PM



#68
m/p-Xylenes
Concen: 109.634 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.4	169.5	254.3





#69
o-Xylene
Concen: 55.283 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

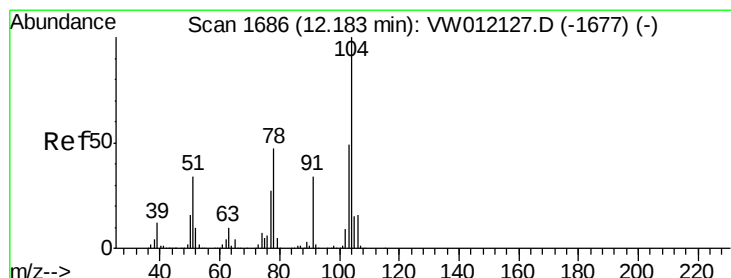
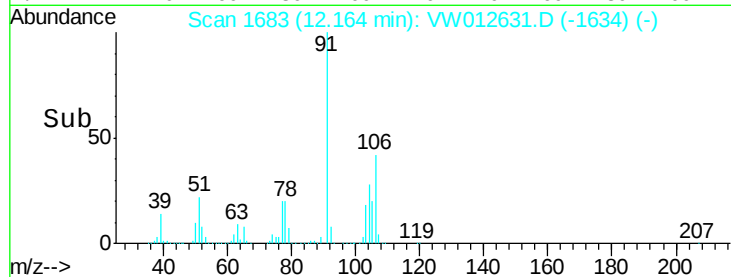
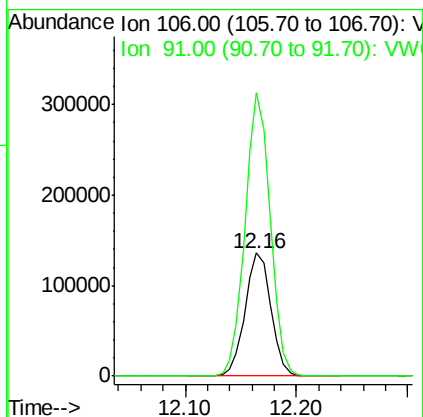
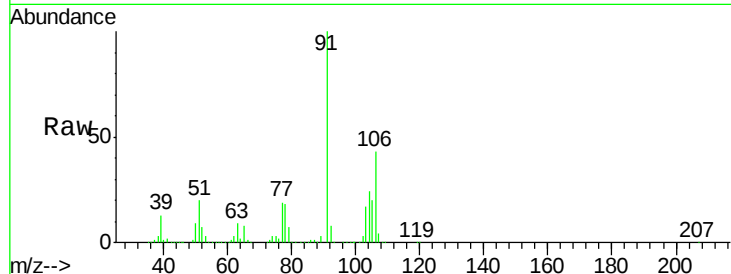
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		219660		
91	223.4	111.6	334.6		

Manual Integrations
APPROVED

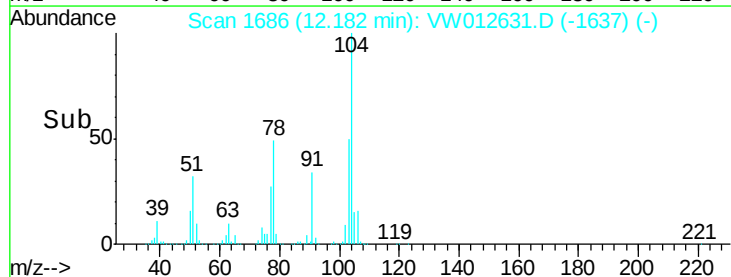
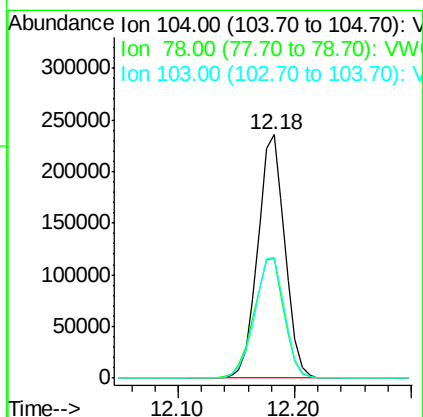
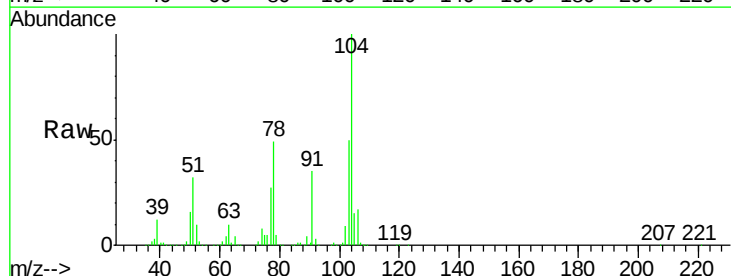
MMDadoda

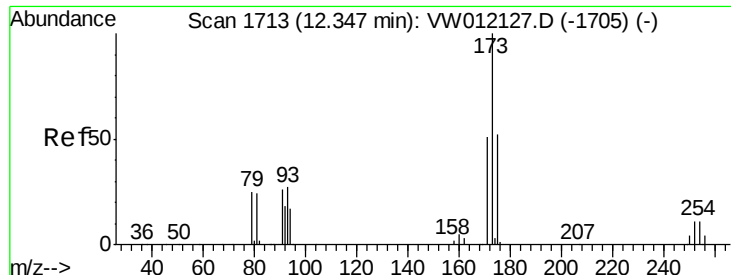
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#70
Styrene
Concen: 55.592 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		382335		
78	54.6	43.1	64.7		
103	54.8	43.5	65.3		





#71

Bromoform

Concen: 59.486 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

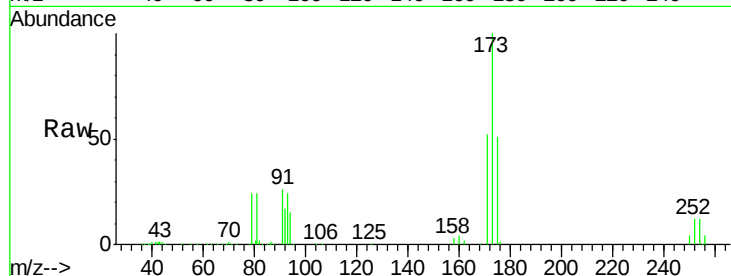
VSTDCCC050

Tot Ion:173	Resp:	63969
Ion Ratio	Lower	Upper
173	100	
175	49.1	24.6 74.0
254	0.1	0.2 0.2#

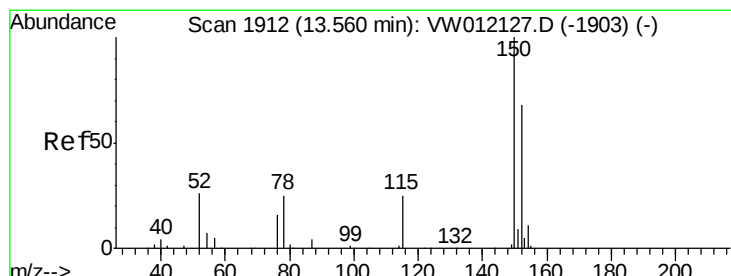
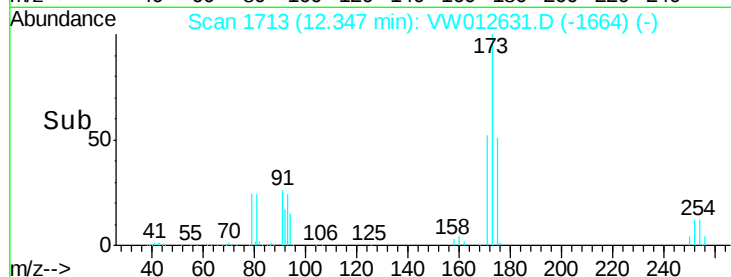
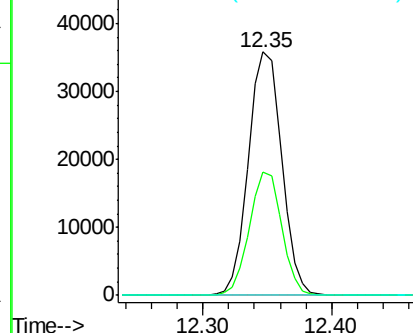
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

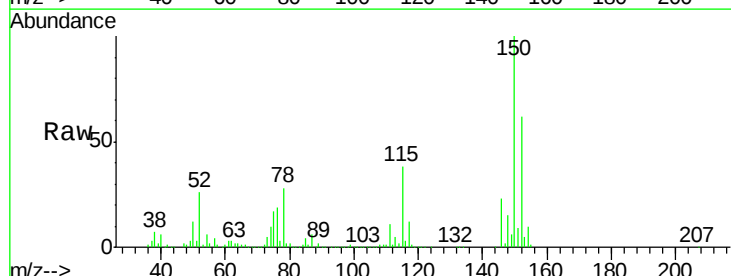
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

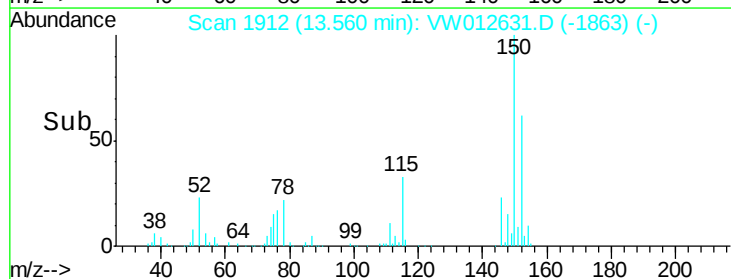
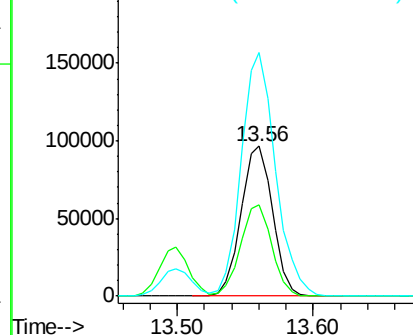
Lab File: VW012631.D

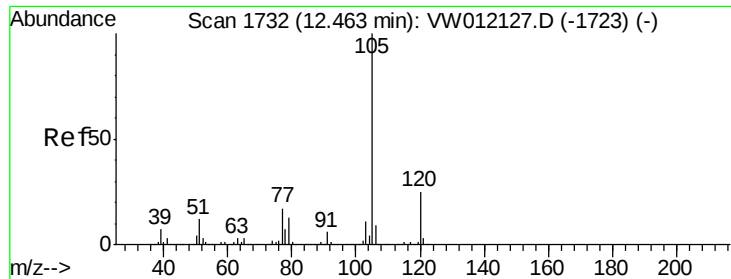
Acq: 05 Sep 2019 10:37

Tgt Ion:152	Resp:	156200
Ion Ratio	Lower	Upper
152	100	
115	60.7	30.1 90.3
150	175.7	0.0 345.8



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: 53.706 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

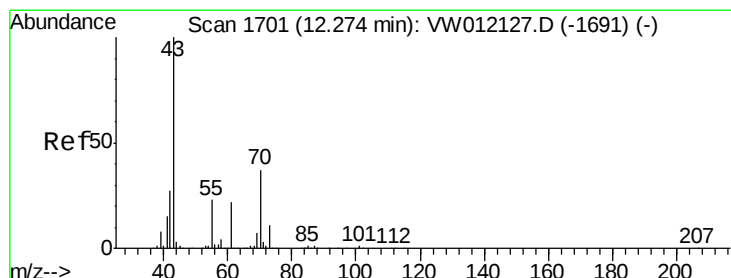
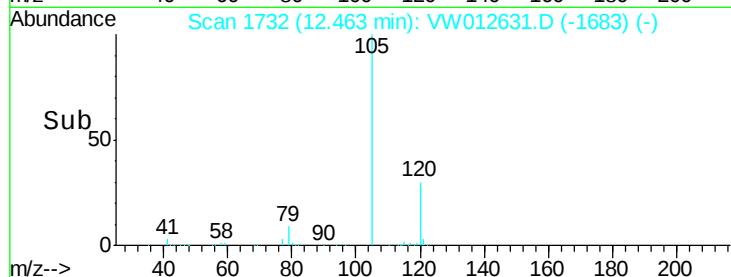
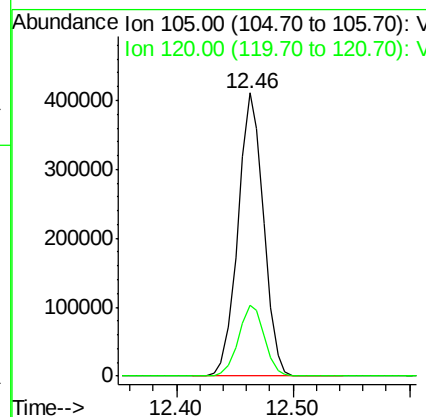
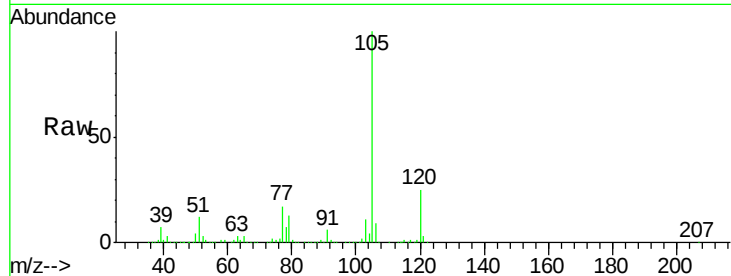
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	628591		
120	25.3		12.5	37.5

Manual Integrations
APPROVED

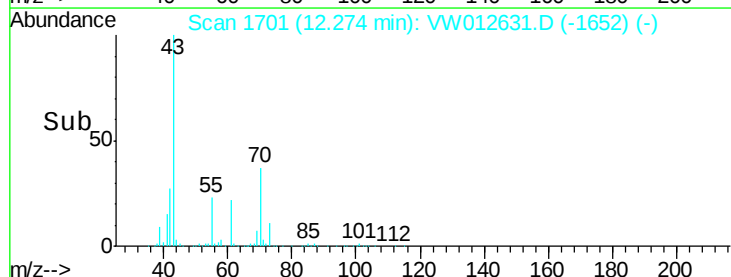
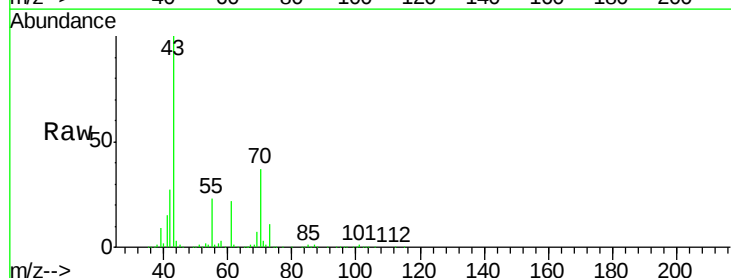
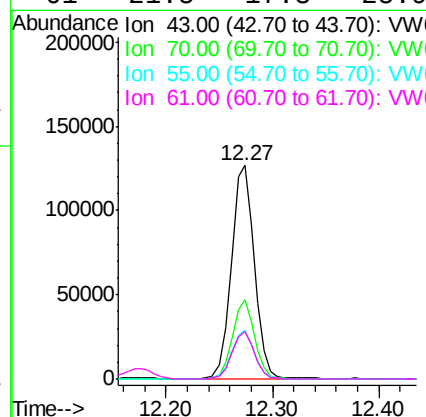
MMDadoda

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#74
N-ethyl acetate
Concen: 54.445 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	192527		
70	35.6		28.6	43.0
55	22.8		17.8	26.6
61	21.5		17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.358 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

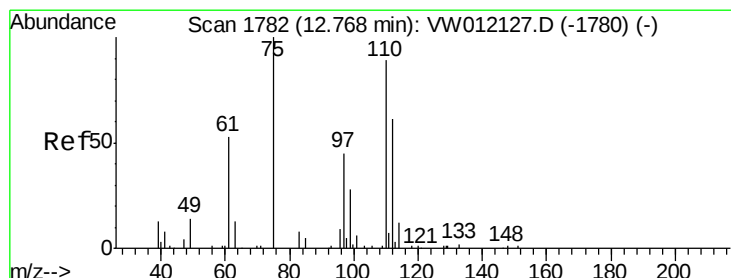
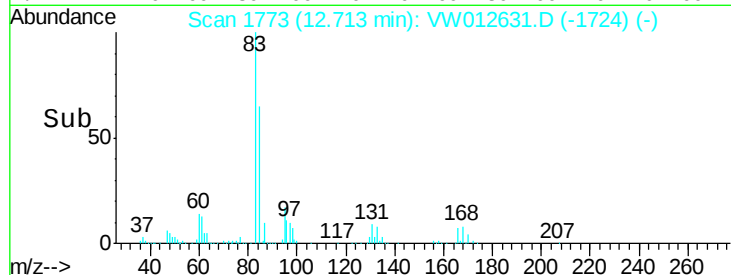
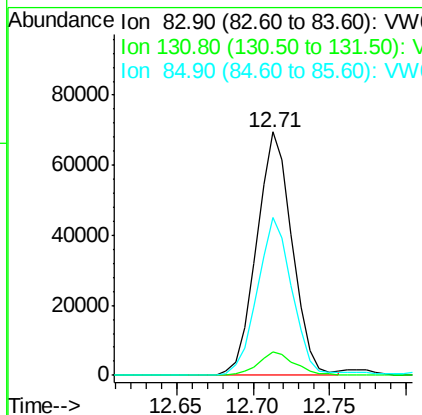
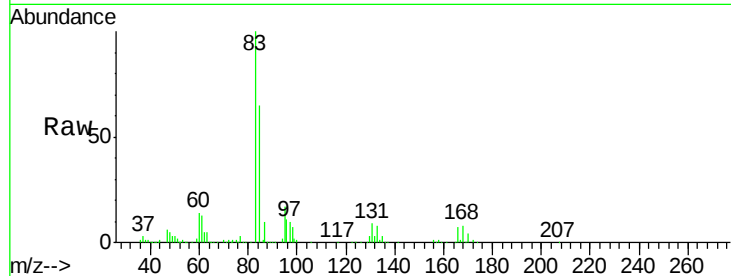
VSTDCCC050

Tot Ion:	83	Resp:	112346
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	63.4	31.9	95.7

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 52.808 ug/l m

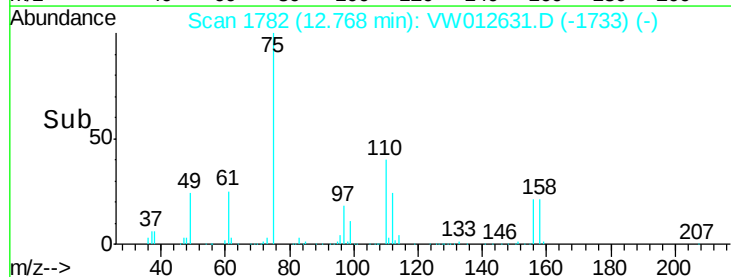
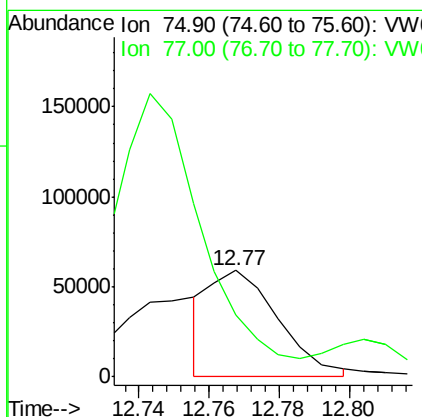
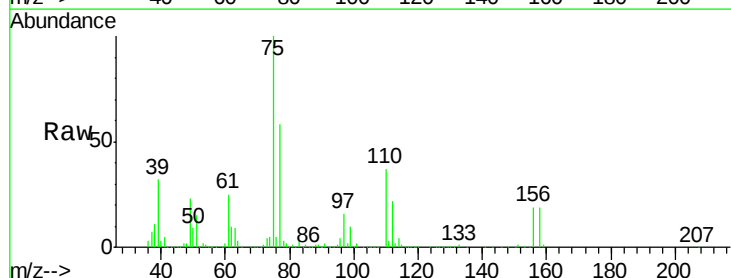
RT: 12.77 min Scan# 1782

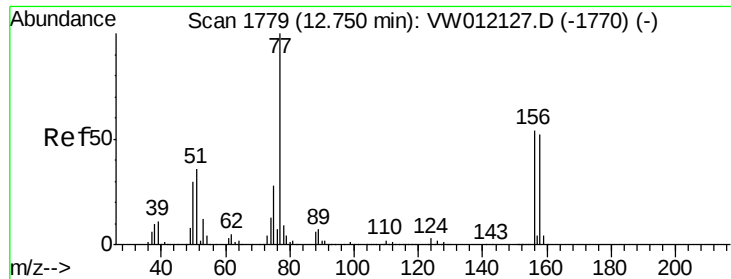
Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tgt Ion:	75	Resp:	80335
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 54.652 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

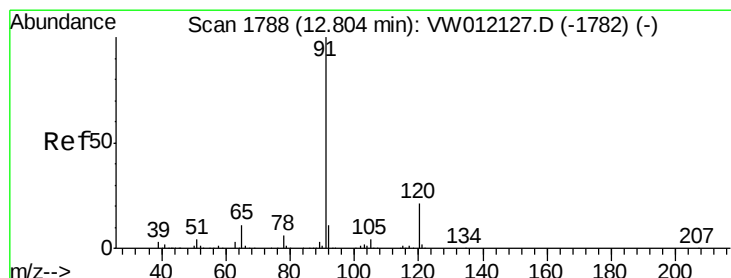
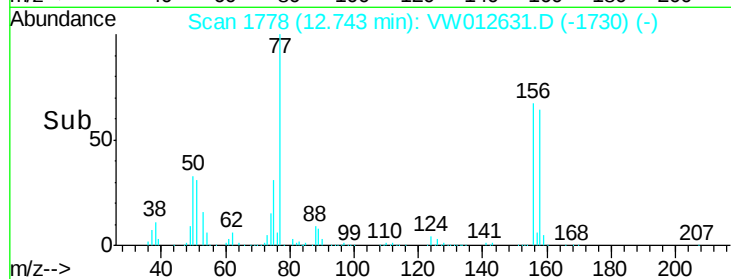
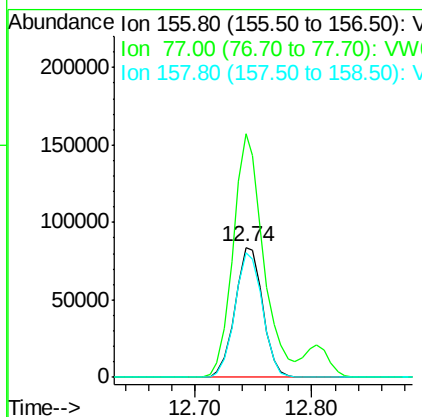
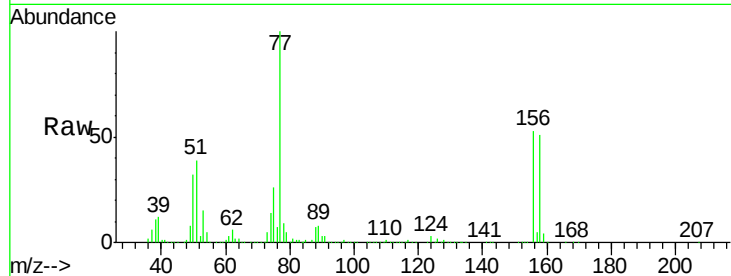
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	205.1	107.3	321.8		
158	96.4	49.0	147.0		

Manual Integrations
APPROVED

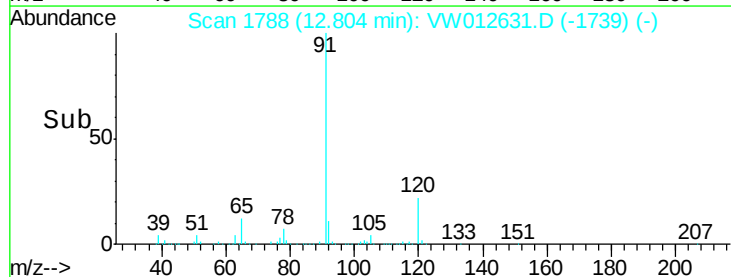
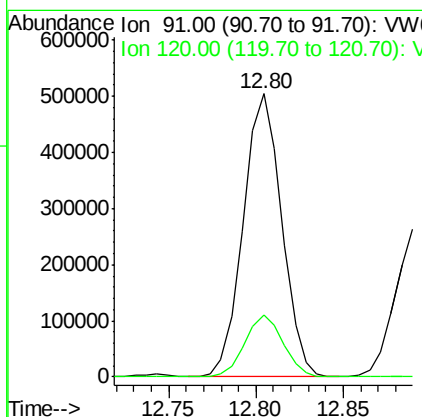
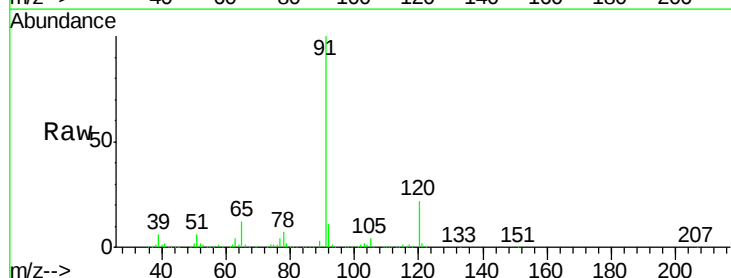
MMDadoda

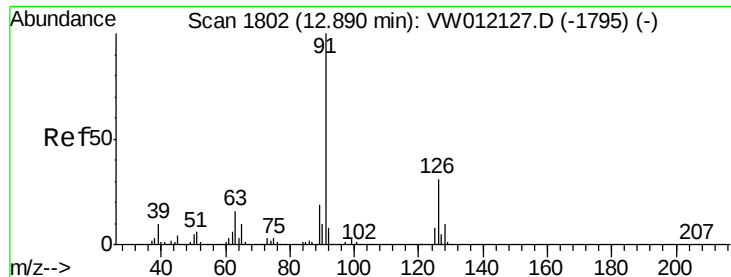
9/6/2019 12:29:06 PM



#78
n-propylbenzene
Concen: 53.927 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.7	10.5	31.6		





#79

2-Chlorotoluene

Concen: 52.966 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 429673

Ion Ratio Lower Upper

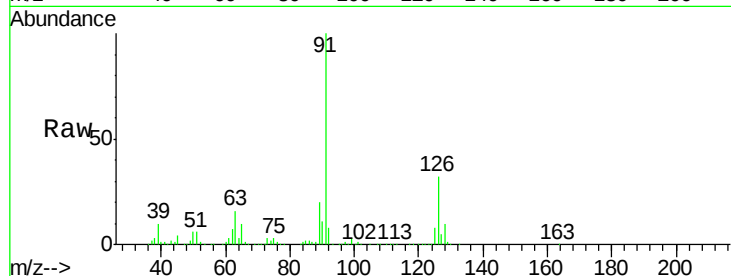
91 100

126 31.5 15.7 47.0

Manual Integrations
APPROVED

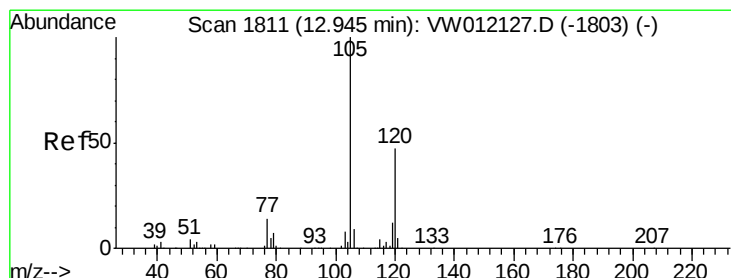
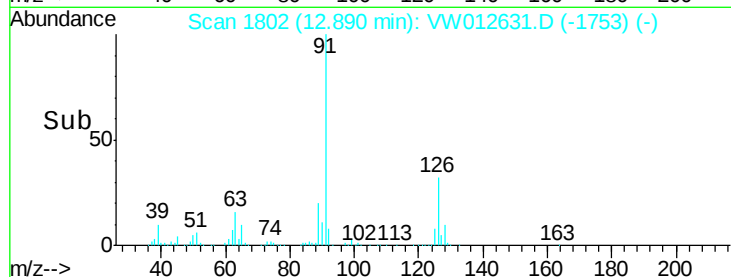
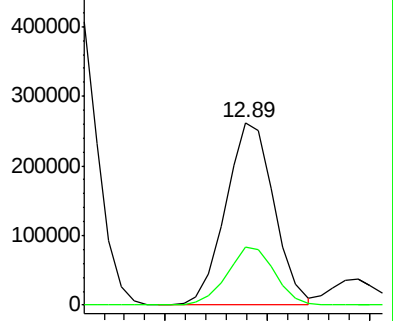
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.015 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012631.D

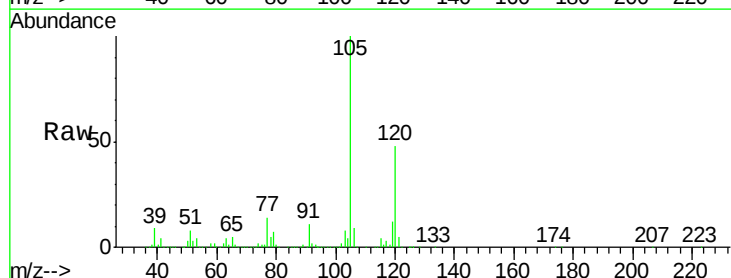
Acq: 05 Sep 2019 10:37

Tgt Ion: 105 Resp: 538053

Ion Ratio Lower Upper

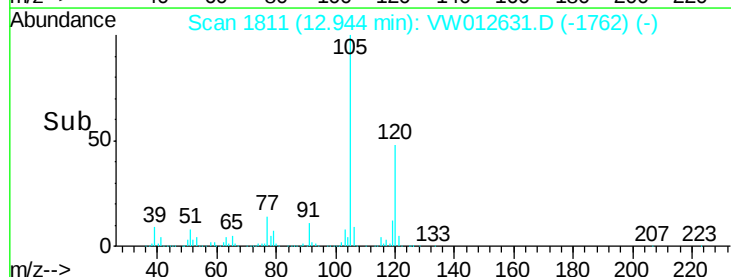
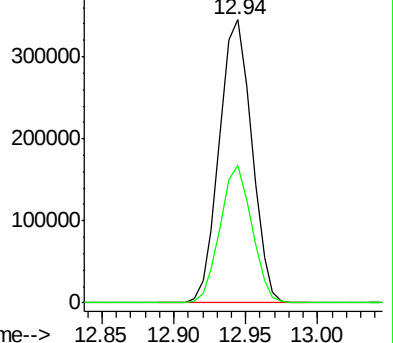
105 100

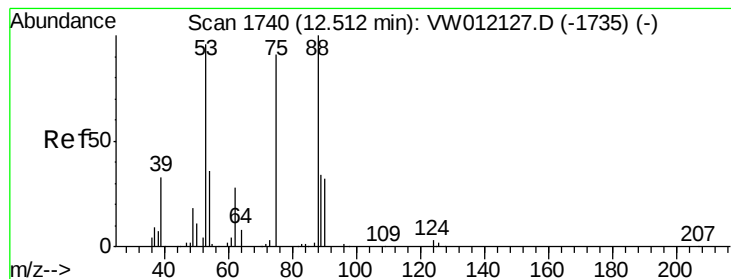
120 47.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.770 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

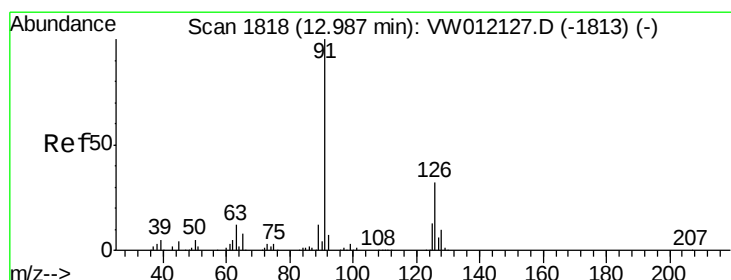
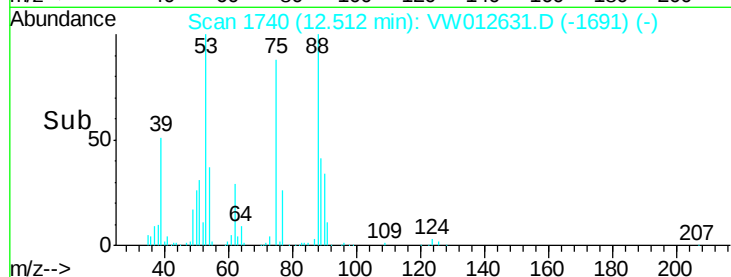
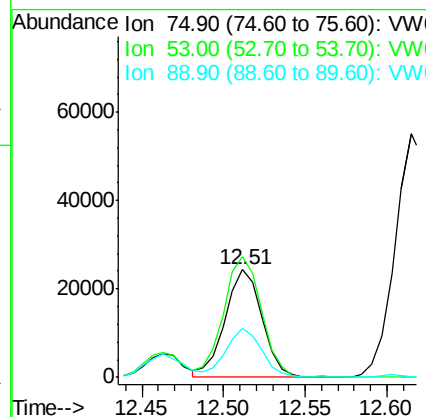
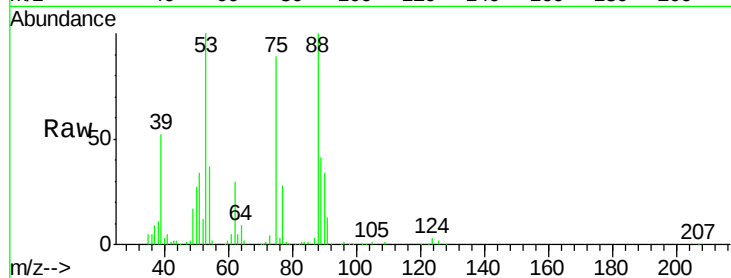
VSTDCCC050

Tot Ion:	75	Resp:	38002
Ion Ratio	Lower	Upper	
75	100		
53	115.4	89.4	134.0
89	43.8	34.5	51.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.714 ug/l

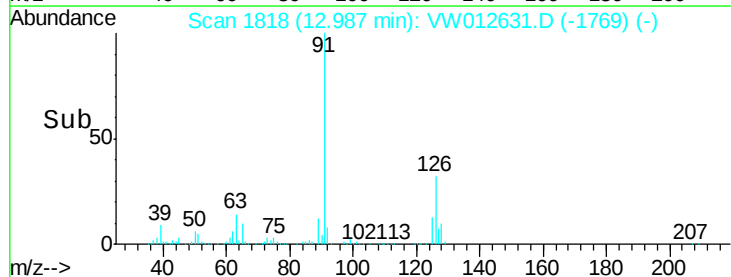
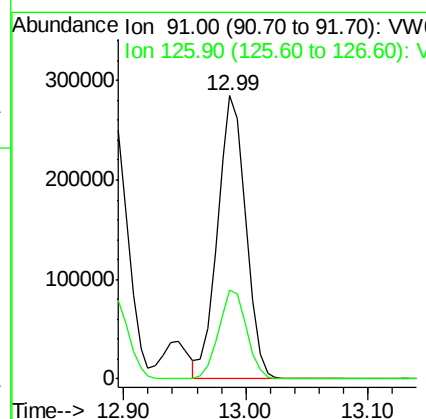
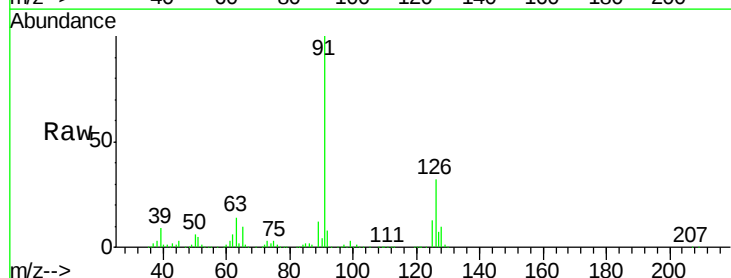
RT: 12.99 min Scan# 1818

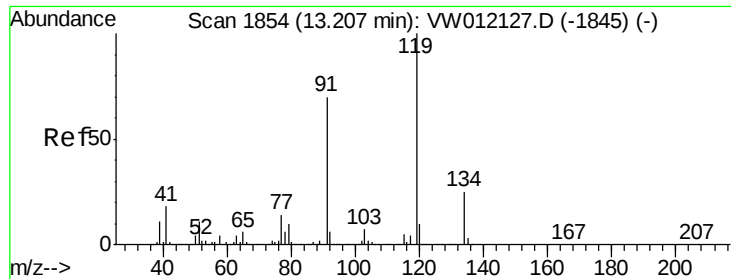
Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Tgt Ion:	91	Resp:	456254
Ion Ratio	Lower	Upper	
91	100		
126	31.4	15.6	46.8





#83
 tert-Butylbenzene
 Concen: 55.569 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

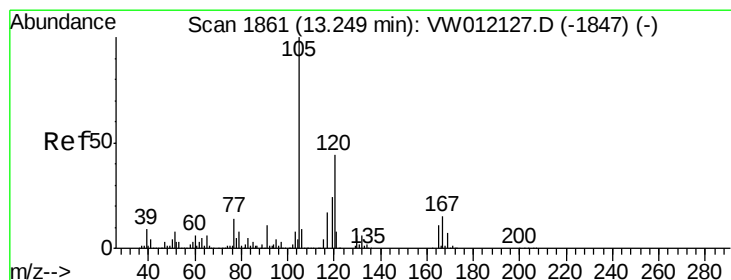
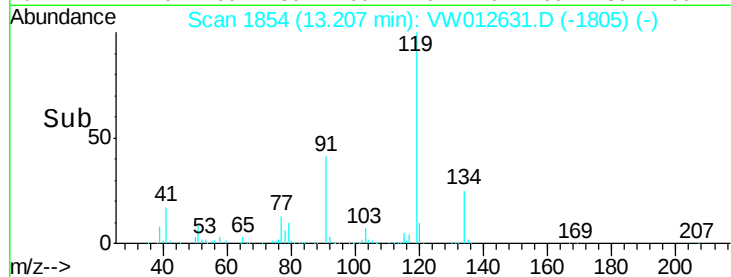
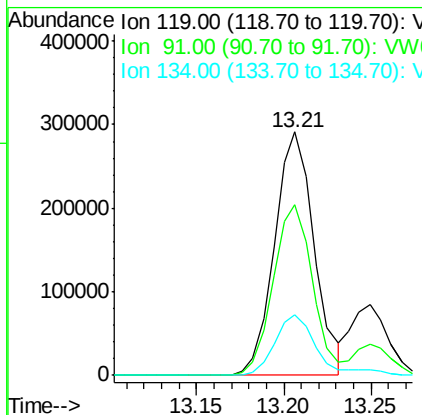
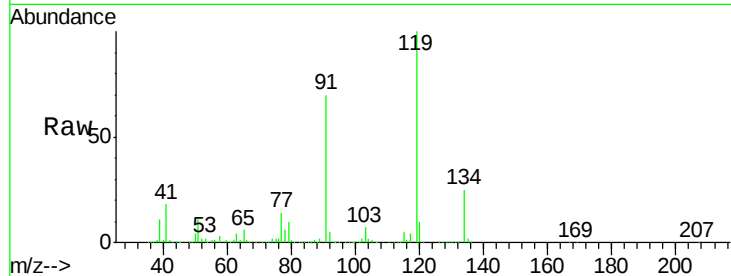
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	119	Resp:	460363
Ion Ratio	Lower	Upper	
119	100		
91	69.6	34.8	104.3
134	25.0	13.3	39.8

Manual Integrations
 APPROVED

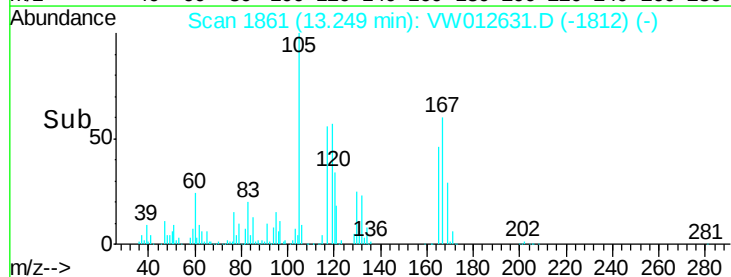
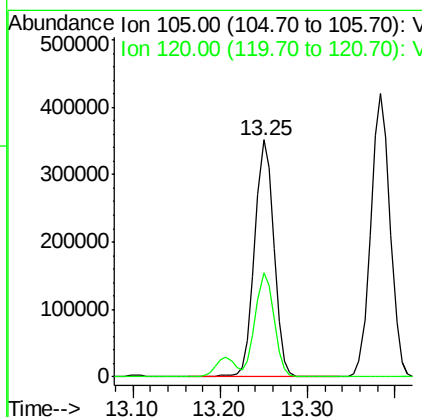
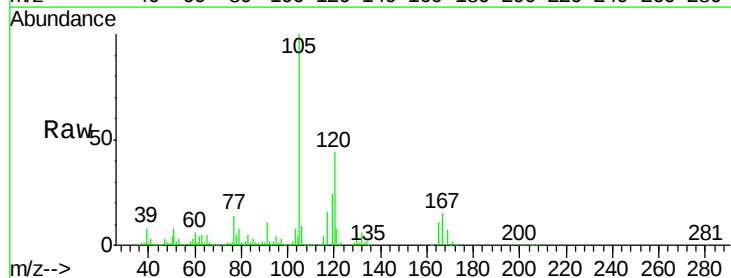
MMDadoda

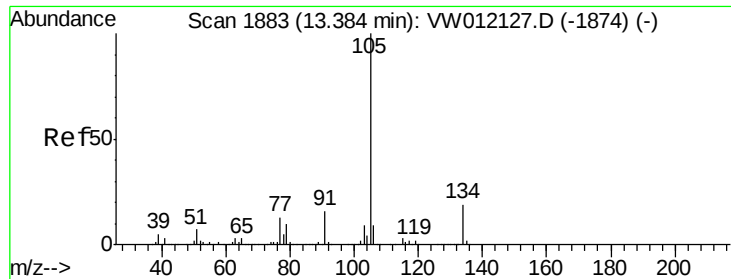
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.742 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

Tgt Ion:	105	Resp:	537809
Ion Ratio	Lower	Upper	
105	100		
120	42.8	21.9	65.7





#85

sec-Butylbenzene

Concen: 54.657 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 648729

Ion Ratio Lower Upper

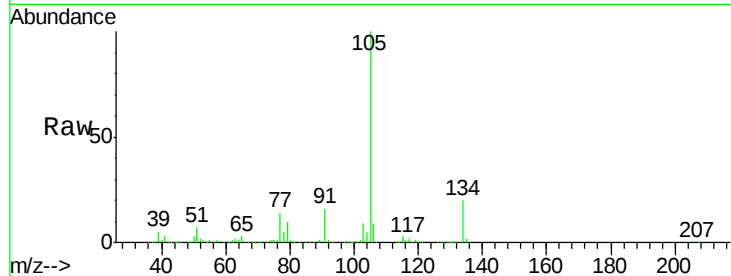
105 100

134 19.7 9.8 29.4

Manual Integrations
APPROVED

MMDadoda

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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

400000

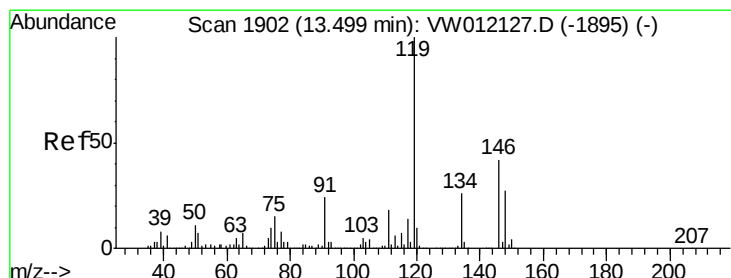
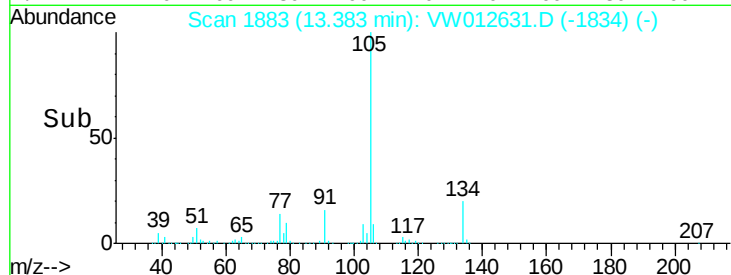
300000

200000

100000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 55.736 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

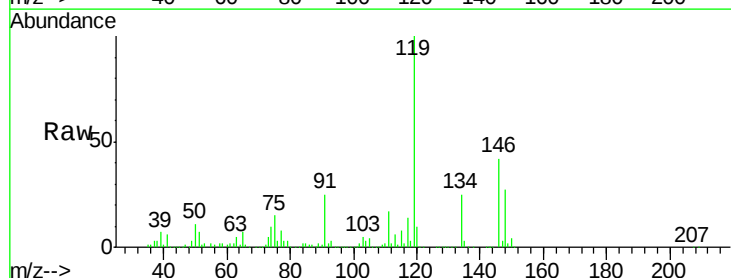
Tgt Ion:119 Resp: 590790

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

91 25.0 12.3 36.9



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

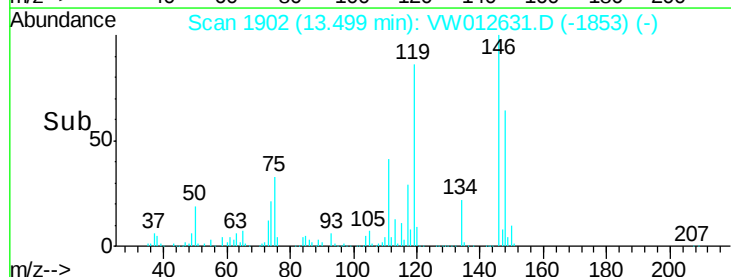
300000

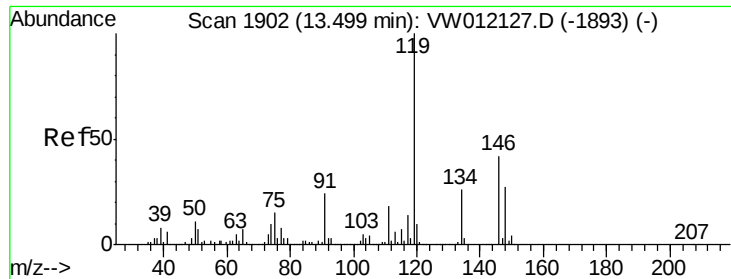
200000

100000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 54.904 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 271922

Ion Ratio Lower Upper

146 100

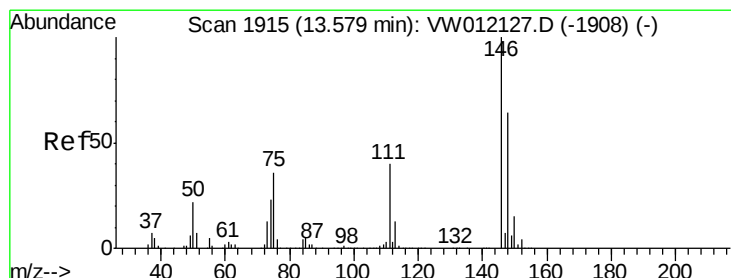
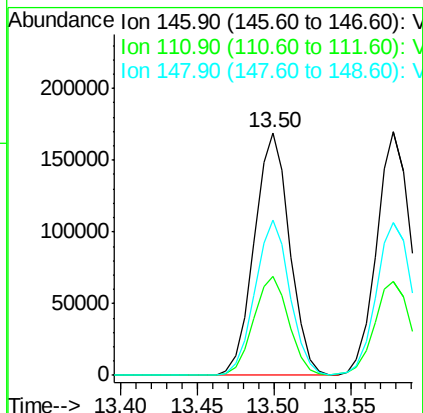
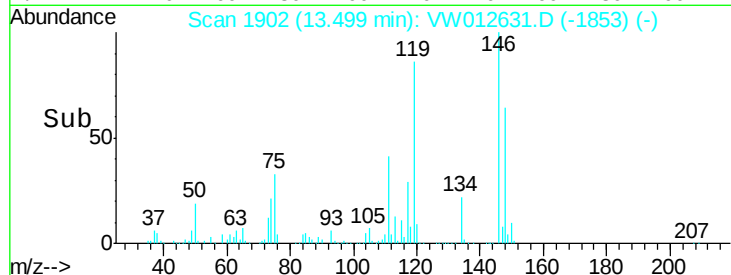
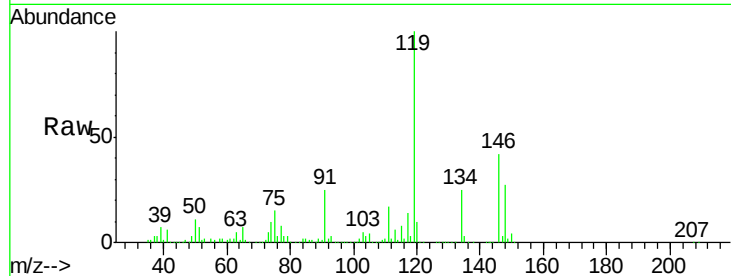
111 40.8 20.9 62.7

148 63.0 32.2 96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.867 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012631.D

Acq: 05 Sep 2019 10:37

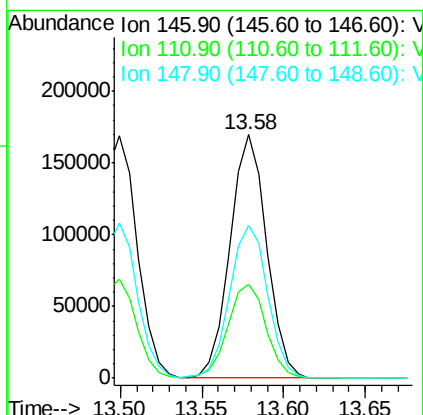
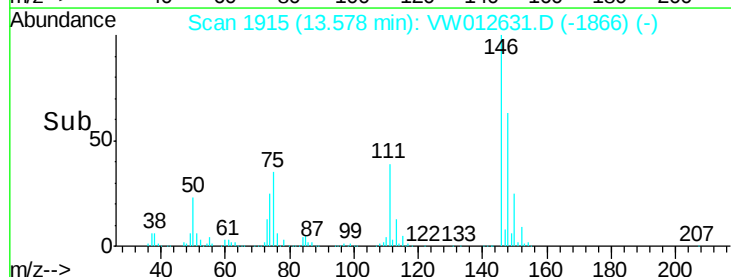
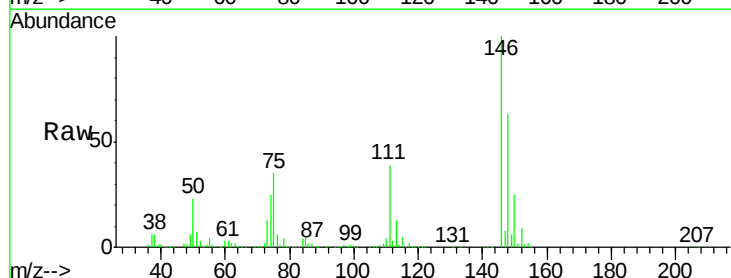
Tgt Ion:146 Resp: 264899

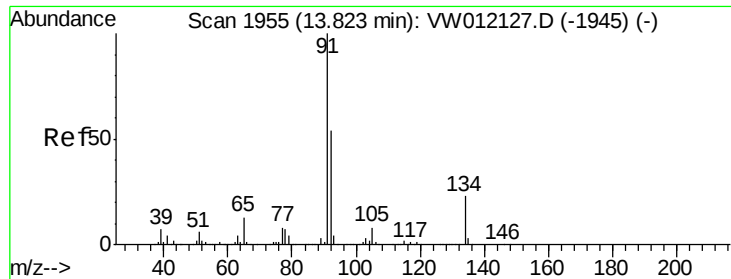
Ion Ratio Lower Upper

146 100

111 40.2 20.0 60.0

148 65.3 32.1 96.3





#89
n-Butylbenzene
Concen: 55.467 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

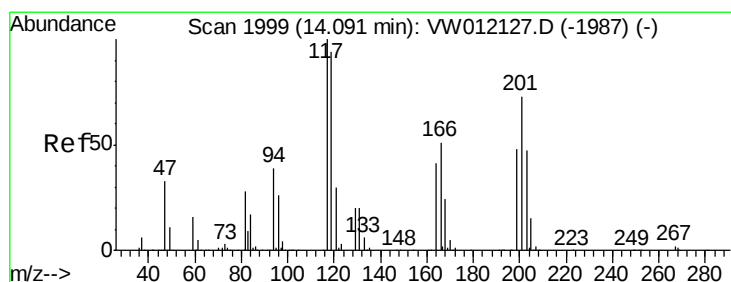
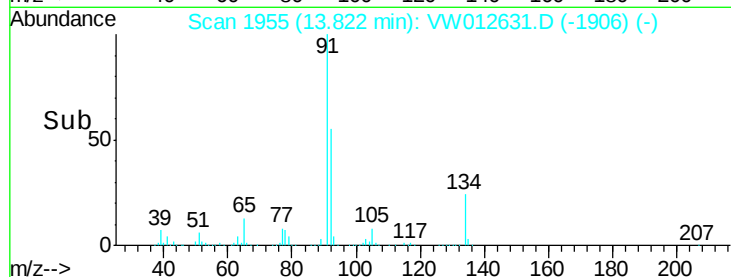
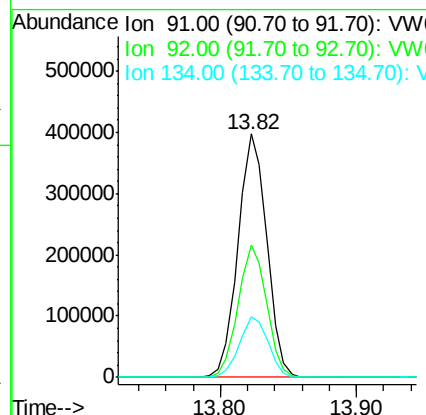
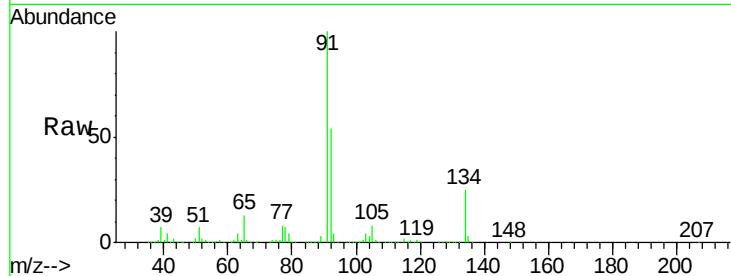
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.1	81.2	
134	25.0	12.2	36.4	

Manual Integrations
APPROVED

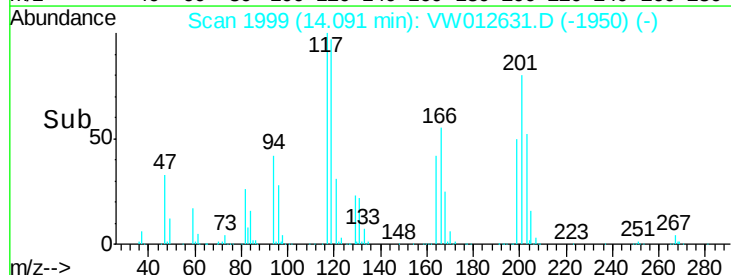
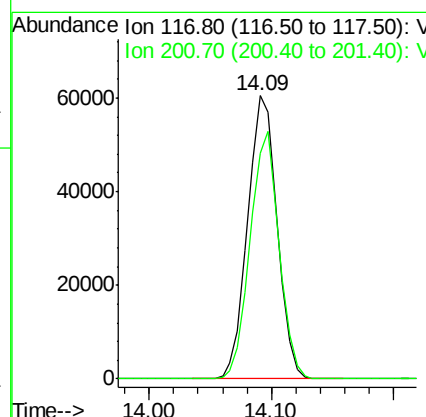
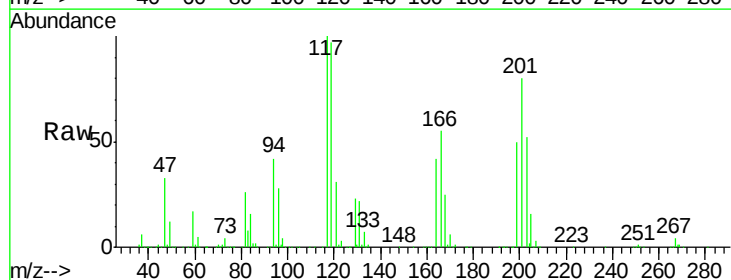
MMDadoda

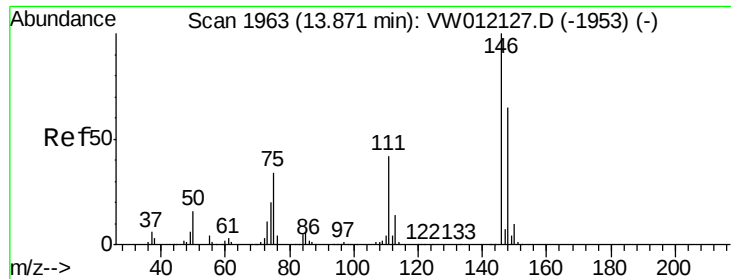
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#90
Hexachloroethane
Concen: 54.689 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.8	38.6	115.7	





#91
 1,2-Dichlorobenzene
 Concen: 56.236 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

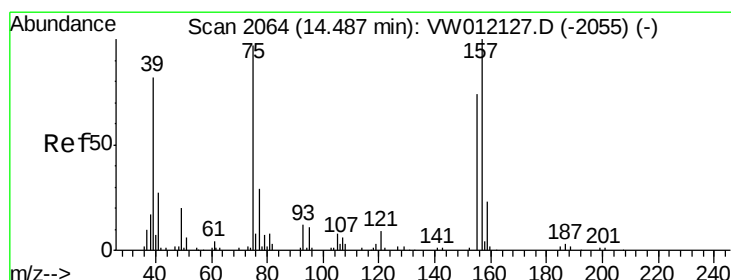
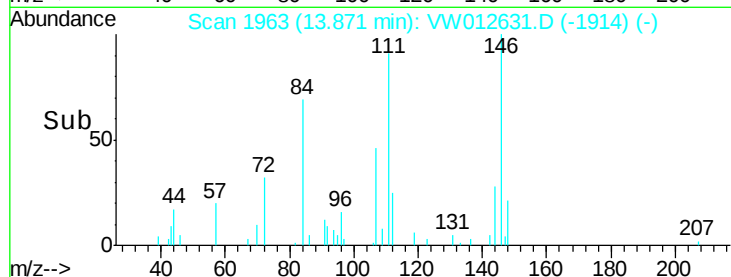
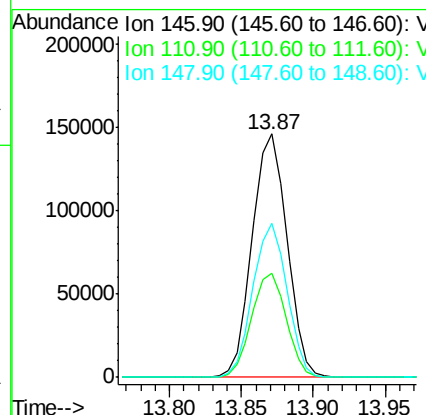
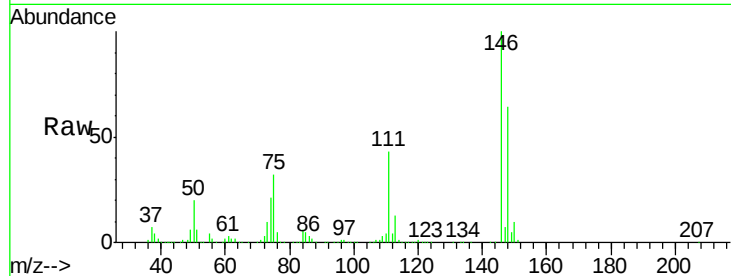
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	244336
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.2	63.6
148	62.0	32.5	97.4

Manual Integrations
 APPROVED

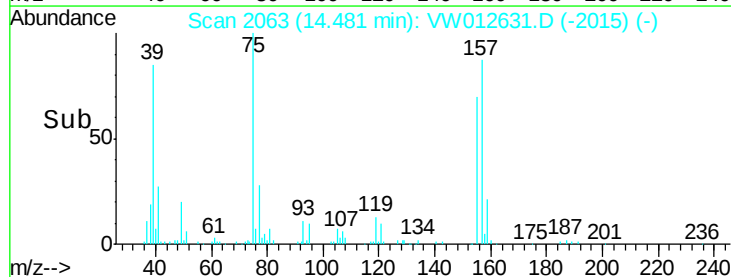
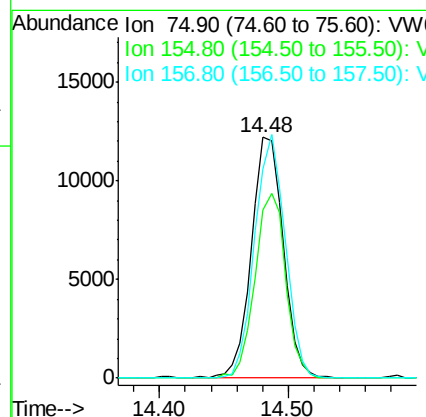
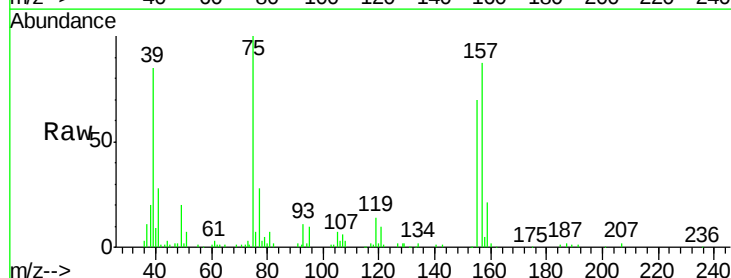
MMDadoda

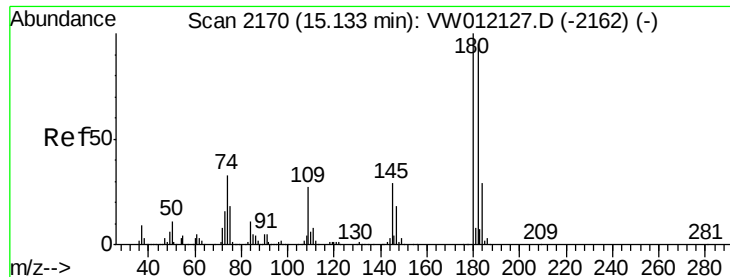
9/6/2019 12:29:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.456 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

Tgt Ion:	75	Resp:	20784
Ion Ratio	Lower	Upper	
75	100		
155	73.7	37.5	112.3
157	96.4	50.5	151.5





#93
 1,2,4-Trichlorobenzene
 Concen: 56.608 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

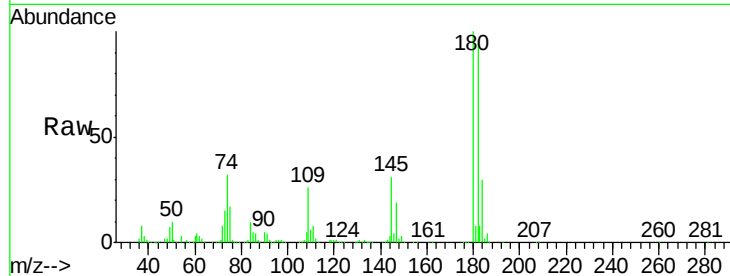
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	169968
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.8	143.4
145	30.7	15.0	45.1

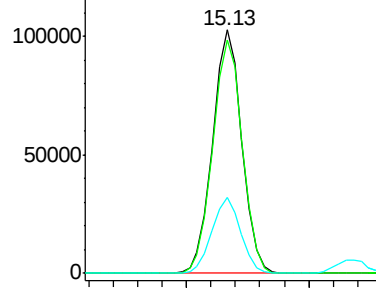
Manual Integrations
 APPROVED

MMDadoda

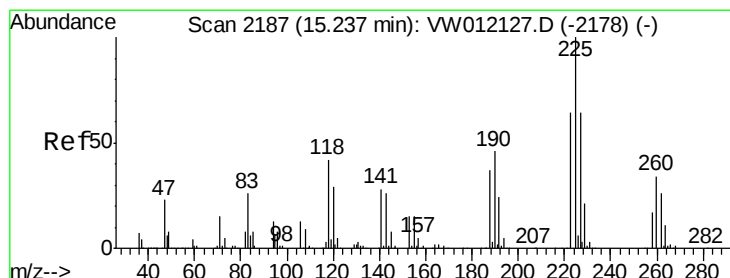
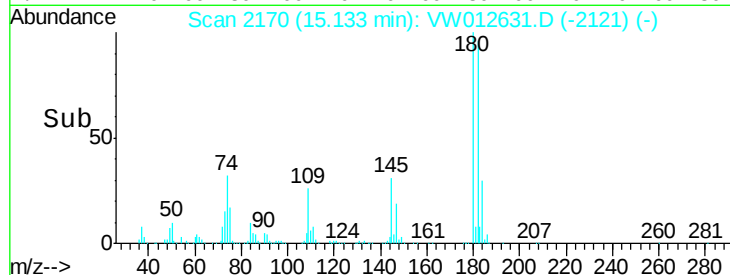
9/6/2019 12:29:06 PM



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

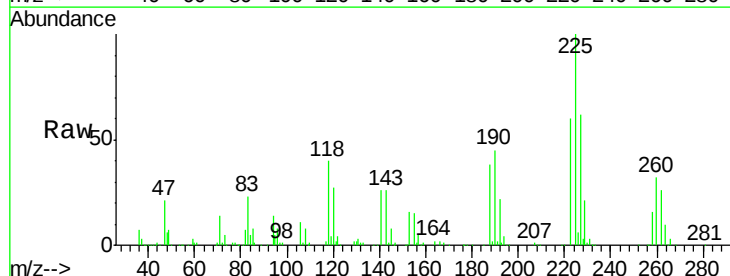


Time-->

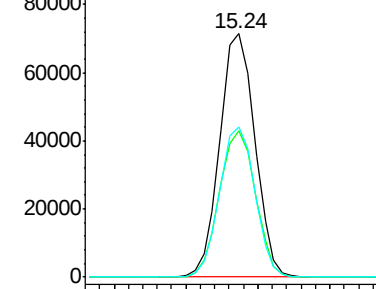


#94
 Hexachlorobutadiene
 Concen: 60.862 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012631.D
 Acq: 05 Sep 2019 10:37

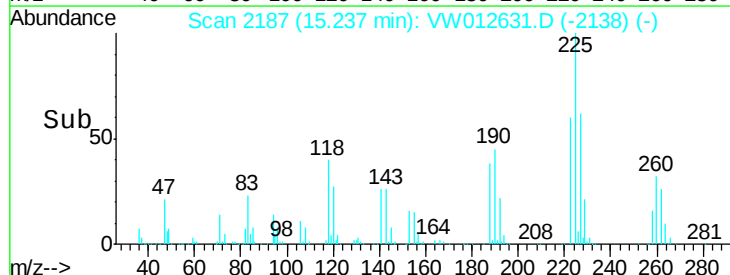
Tgt Ion:	225	Resp:	120662
Ion Ratio	Lower	Upper	
225	100		
223	61.6	32.3	96.8
227	62.2	32.9	98.6

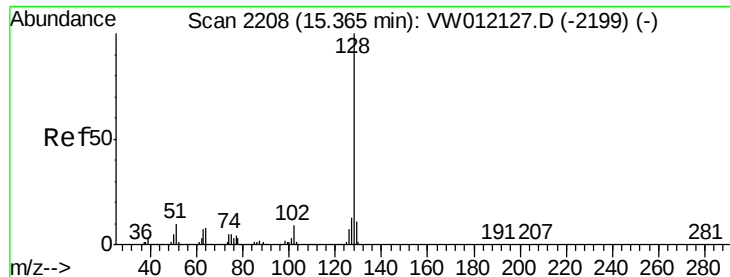


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95
Naphthalene
Concen: 51.741 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

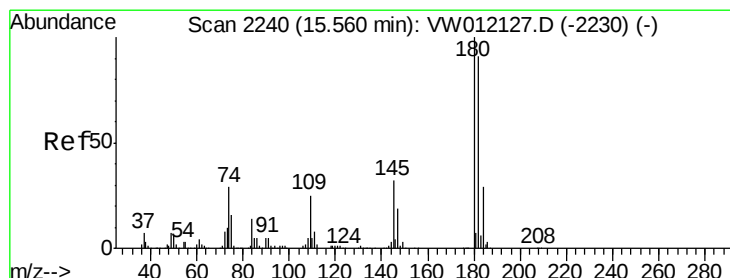
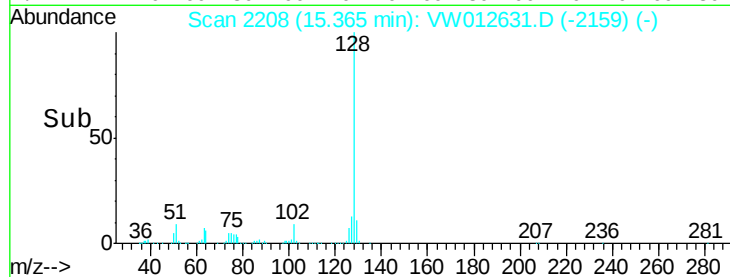
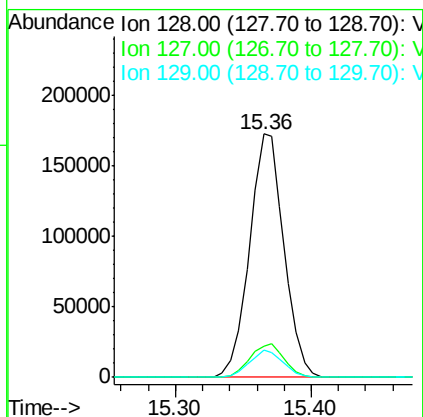
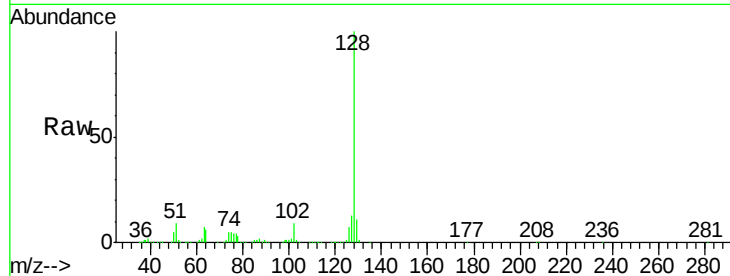
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda

9/6/2019 12:29:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.299 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012631.D
Acq: 05 Sep 2019 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.3
145	32.1	16.2	48.5

