

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010701.D
 Acq On : 06 Jun 2019 10:55
 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

MMDadoda

6/7/2019 11:24:40 AM

Quant Time: Jun 07 08:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	404987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	151228	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.88	113	124040	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
50) Toluene-d8	10.32	98	521049	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.62	95	187937	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	118321	50.739	ug/l	99
3) Chloromethane	2.21	50	178703	52.087	ug/l	98
4) Vinyl Chloride	2.35	62	165984	52.364	ug/l	98
5) Bromomethane	2.75	94	89710	51.537	ug/l	95
6) Chloroethane	2.91	64	100280	52.704	ug/l	99
7) Trichlorofluoromethane	3.25	101	225547	54.814	ug/l	99
8) Diethyl Ether	3.68	74	70294	47.803	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	138672	54.816	ug/l	99
10) Methyl Iodide	4.26	142	134152	51.336	ug/l	99
11) Tert butyl alcohol	5.17	59	60573	249.980	ug/l	99
12) 1,1-Dichloroethene	4.03	96	133351	54.644	ug/l	99
13) Acrolein	3.89	56	24569	248.130	ug/l	97
14) Allyl chloride	4.67	41	299852	55.726	ug/l	99
15) Acrylonitrile	5.36	53	167731	234.791	ug/l	99
16) Acetone	4.12	43	218089	273.649	ug/l	100
17) Carbon Disulfide	4.37	76	428174	55.271	ug/l	100
18) Methyl Acetate	4.67	43	75120	43.788	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	340805	48.421	ug/l	97
20) Methylene Chloride	4.91	84	140329	50.192	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	150571	54.352	ug/l	97
22) Diisopropyl ether	6.31	45	567564	52.686	ug/l	99
23) Vinyl Acetate	6.25	43	1665339	256.159	ug/l	99
24) 1,1-Dichloroethane	6.21	63	291243	53.948	ug/l	100
25) 2-Butanone	7.16	43	273213	247.229	ug/l	97
26) 2,2-Dichloropropane	7.16	77	260668	59.337	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	163332	53.573	ug/l	98
28) Bromochloromethane	7.51	49	128108	53.173	ug/l	98
29) Tetrahydrofuran	7.52	42	157653	226.806	ug/l	99
30) Chloroform	7.67	83	266114	53.892	ug/l	97
31) Cyclohexane	7.95	56	312280	52.036	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	238665	55.330	ug/l	100
36) 1,1-Dichloropropene	8.08	75	230467	55.594	ug/l	100
37) Ethyl Acetate	7.25	43	110509	48.106	ug/l	98
38) Carbon Tetrachloride	8.07	117	204213	57.065	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	295141	56.005	ug/l	99
40) Benzene	8.32	78	617648	54.615	ug/l	98
41) Methacrylonitrile	7.48	41	66495	48.698	ug/l	98
42) 1,2-Dichloroethane	8.40	62	189071	52.676	ug/l	99
43) Isopropyl Acetate	8.42	43	211779	47.719	ug/l	100
44) Trichloroethene	9.09	130	152836	54.786	ug/l	99
45) 1,2-Dichloropropane	9.37	63	160949	53.763	ug/l	99
46) Dibromomethane	9.46	93	71357	51.318	ug/l	98
47) Bromodichloromethane	9.65	83	196388	54.486	ug/l	98
48) Methyl methacrylate	9.43	41	103404	48.325	ug/l	99
49) 1,4-Dioxane	9.45	88	21310	980.236	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	539211	237.824	ug/l	100
52) Toluene	10.39	92	380939	54.746	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	206779	54.163	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	246226	54.810	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	100686	50.264	ug/l	99
56) Ethyl methacrylate	10.65	69	153781	49.892	ug/l	99
57) 1,3-Dichloropropane	10.93	76	192502	50.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	399187	247.260	ug/l	100
59) 2-Hexanone	10.97	43	401964	245.309	ug/l	99
60) Dibromochloromethane	11.13	129	116748	52.576	ug/l	99
61) 1,2-Dibromoethane	11.24	107	94627	49.859	ug/l	99
64) Tetrachloroethene	10.86	164	125550	52.764	ug/l	98
65) Chlorobenzene	11.66	112	380894	54.047	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	133122	54.568	ug/l	99
67) Ethyl Benzene	11.73	91	748870	55.291	ug/l	99
68) m/p-Xylenes	11.84	106	536497	110.654	ug/l	99
69) o-Xylene	12.16	106	250583	54.494	ug/l	97
70) Styrene	12.18	104	436139	54.599	ug/l	100
71) Bromoform	12.35	173	64924	51.457	ug/l #	100
73) Isopropylbenzene	12.46	105	716282	56.166	ug/l	99
74) N-amyl acetate	12.27	43	206596	50.125	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	116659	48.050	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	85283m	47.853	ug/l	
77) Bromobenzene	12.75	156	148323	53.281	ug/l	99
78) n-propylbenzene	12.80	91	868659	56.488	ug/l	100
79) 2-Chlorotoluene	12.90	91	489649	55.734	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	589987	56.520	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39770	51.288	ug/l	99
82) 4-Chlorotoluene	12.99	91	505479	55.754	ug/l	99
83) tert-Butylbenzene	13.21	119	498076	56.222	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	594087	56.557	ug/l	99
85) sec-Butylbenzene	13.38	105	735264	57.004	ug/l	100
86) p-Isopropyltoluene	13.50	119	654210	56.718	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	294803	54.914	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	290052	54.499	ug/l	99
89) n-Butylbenzene	13.83	91	666825	57.942	ug/l	100
90) Hexachloroethane	14.10	117	121336	58.740	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	255759	52.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20177	48.396	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	190132	56.121	ug/l	98
94) Hexachlorobutadiene	15.24	225	123355	58.014	ug/l	99
95) Naphthalene	15.37	128	316371	51.397	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	160748	55.791	ug/l	99

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

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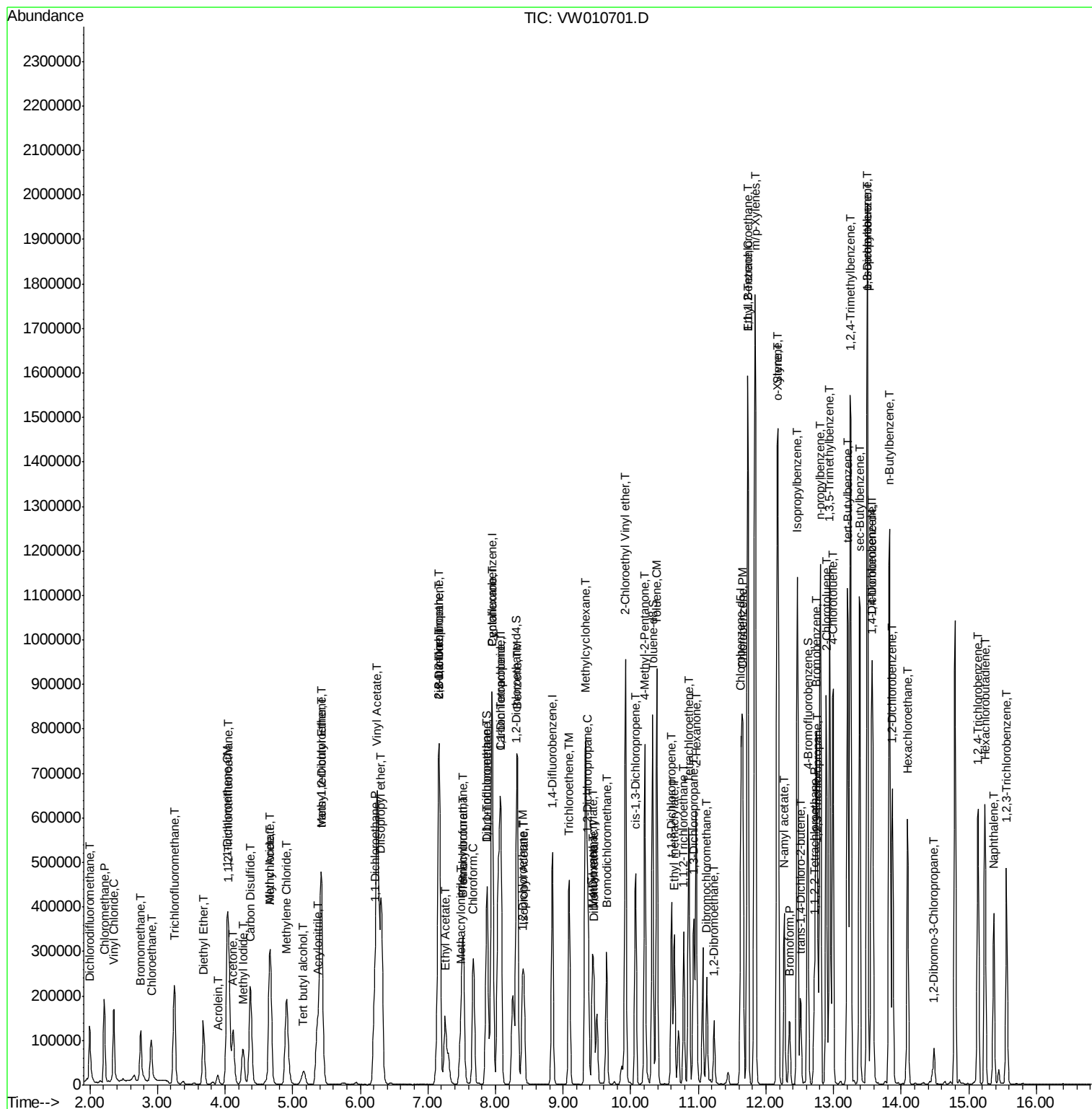
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

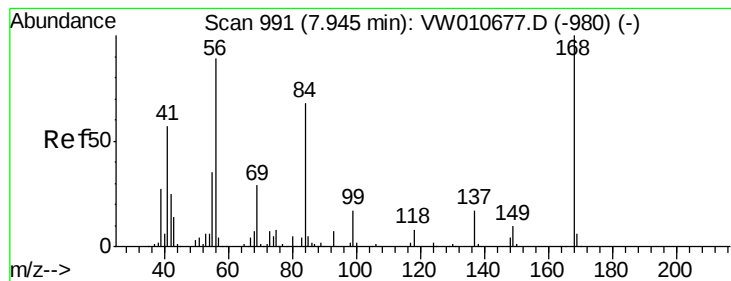
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tot Ion: 168 Resp: 252346

Ion Ratio Lower Upper

168 100

99 61.0 47.7 71.5

Instrument :

MSVOA_W

ClientSampleId :

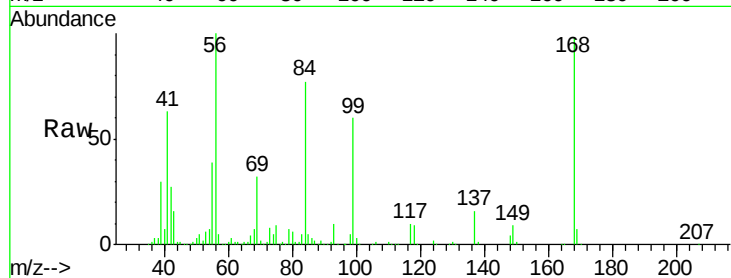
VSTDCCC050

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

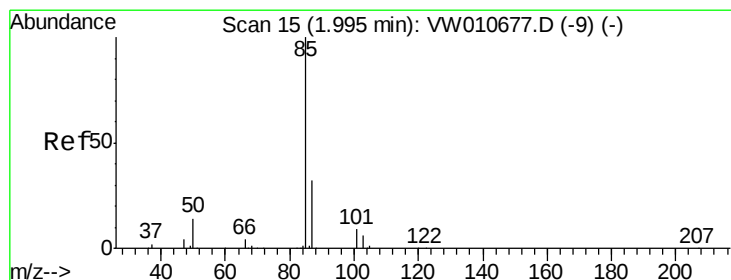
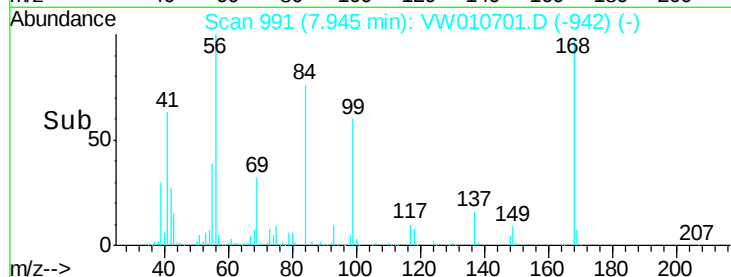
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 50.739 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010701.D

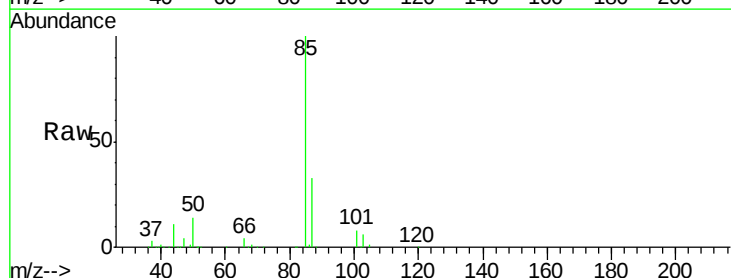
Acq: 06 Jun 2019 10:55

Tgt Ion: 85 Resp: 118321

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

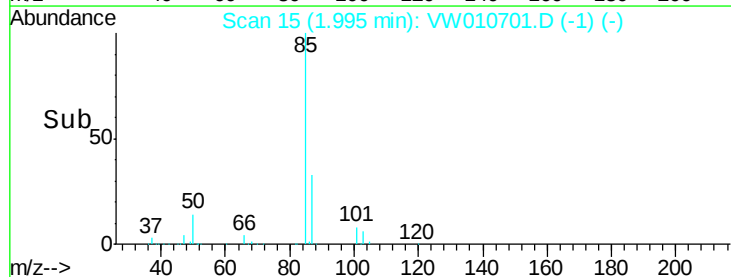
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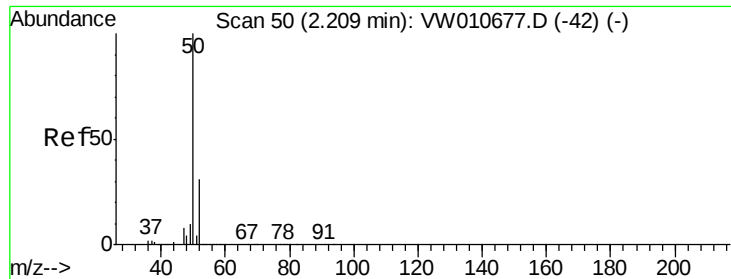
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 52.087 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tot Ion: 50 Resp: 178703

Ion Ratio Lower Upper

50 100

52 32.5 25.2 37.8

Instrument :

MSVOA_W

ClientSampleId :

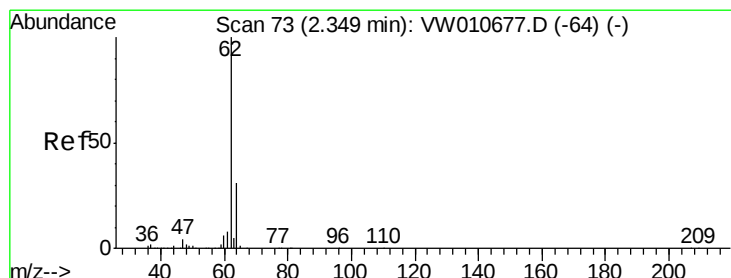
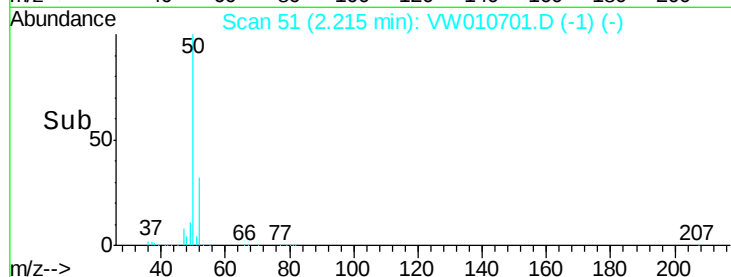
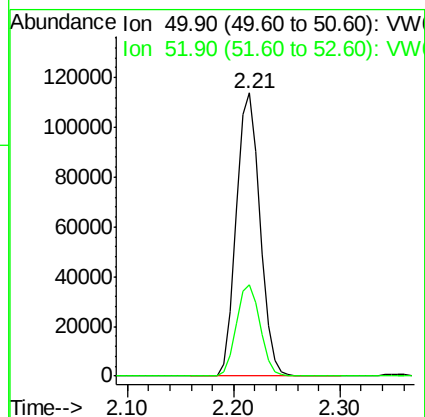
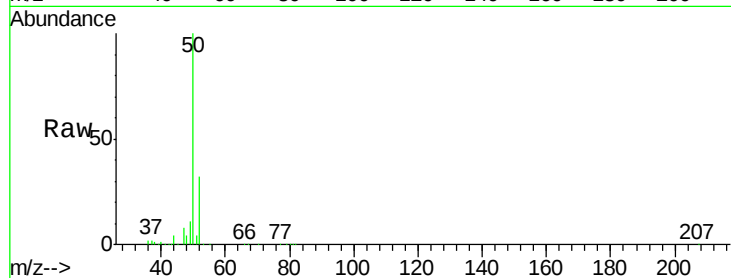
VSTDCCC050

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#4

Vinyl Chloride

Concen: 52.364 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010701.D

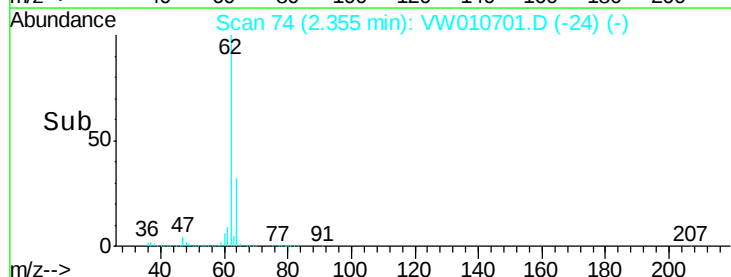
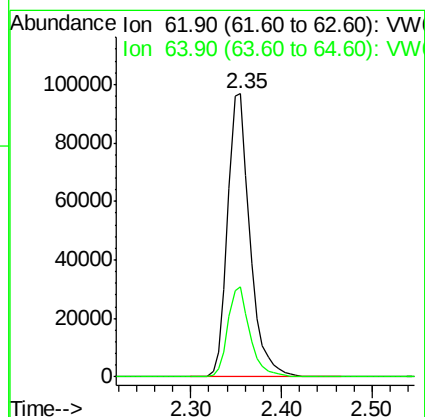
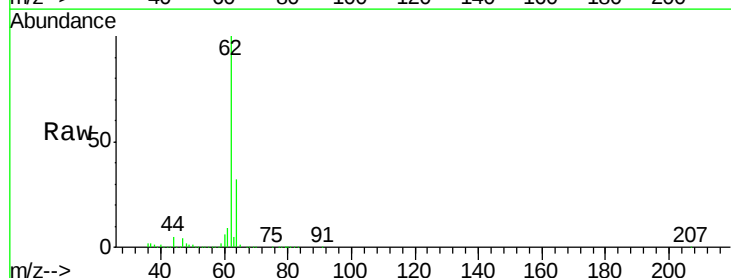
Acq: 06 Jun 2019 10:55

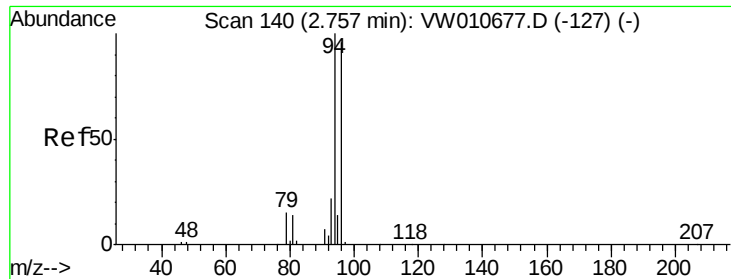
Tgt Ion: 62 Resp: 165984

Ion Ratio Lower Upper

62 100

64 31.7 24.5 36.7





#5

Bromomethane

Concen: 51.537 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 89710

Ion Ratio Lower Upper

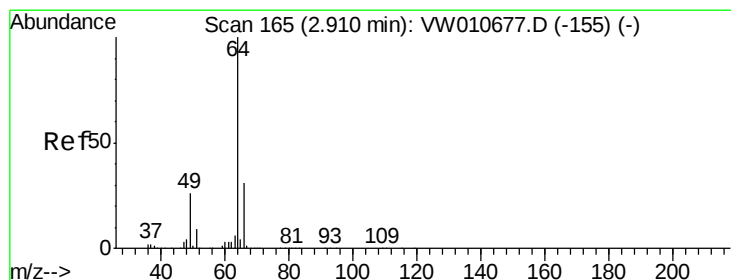
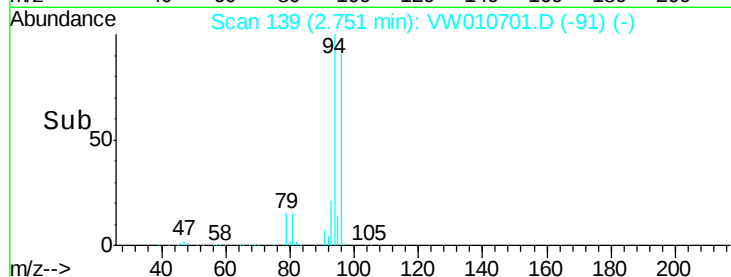
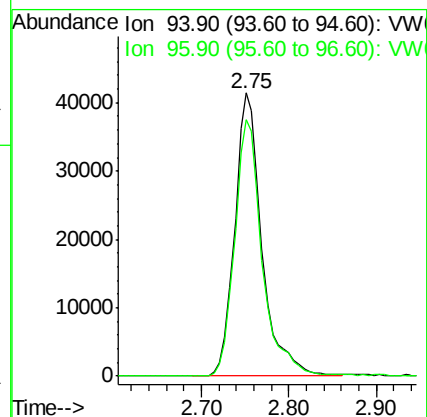
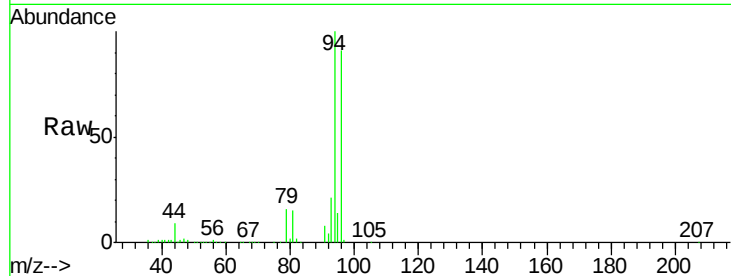
94 100

96 90.4 76.5 114.7

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#6

Chloroethane

Concen: 52.704 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010701.D

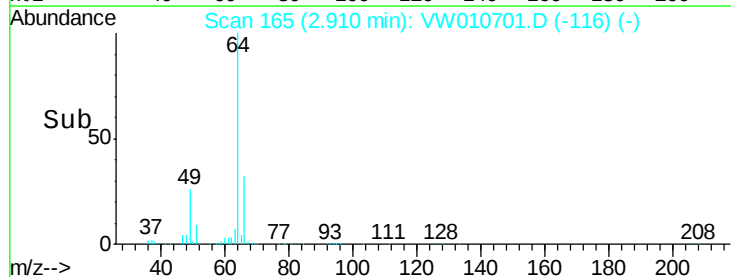
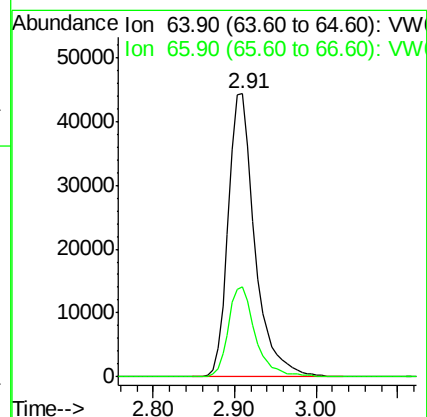
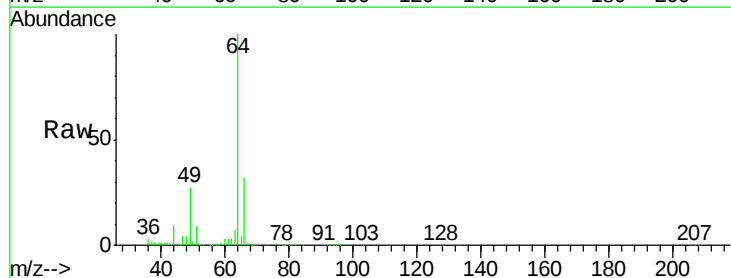
Acq: 06 Jun 2019 10:55

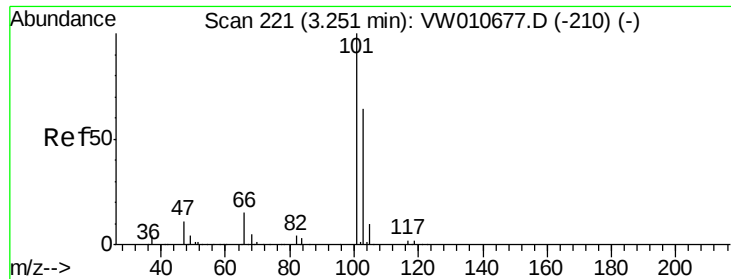
Tgt Ion: 64 Resp: 100280

Ion Ratio Lower Upper

64 100

66 32.0 25.1 37.7





#7

Trichlorofluoromethane
Concen: 54.814 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

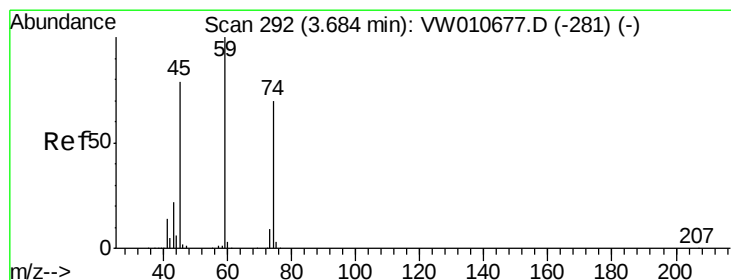
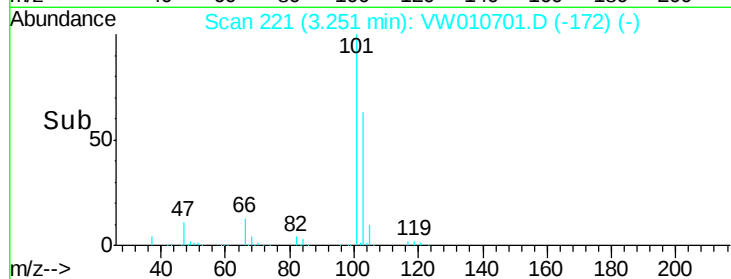
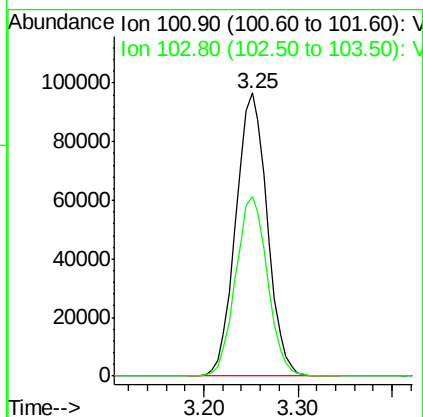
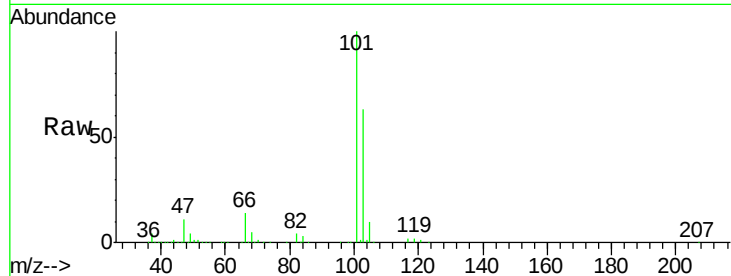
Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	225547		
103	63.3	51.2	76.8	

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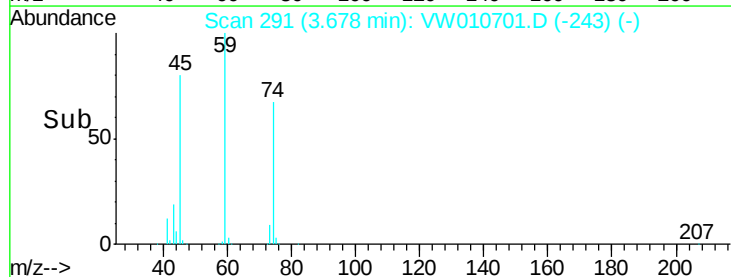
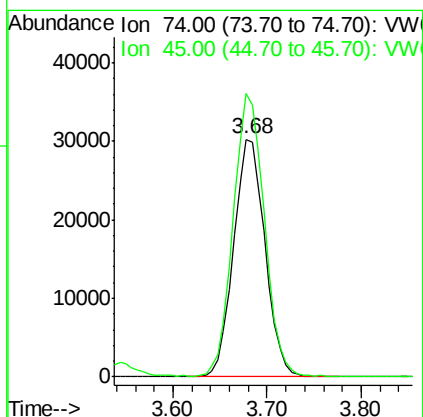
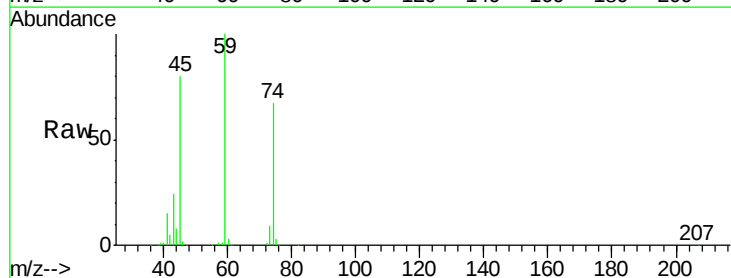
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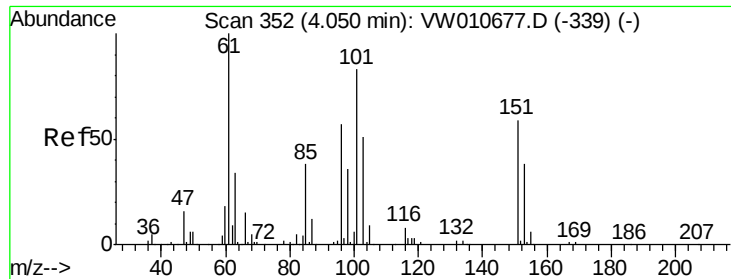


#8

Diethyl Ether
Concen: 47.803 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	70294		
45	118.5	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.816 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

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ClientSampleId :

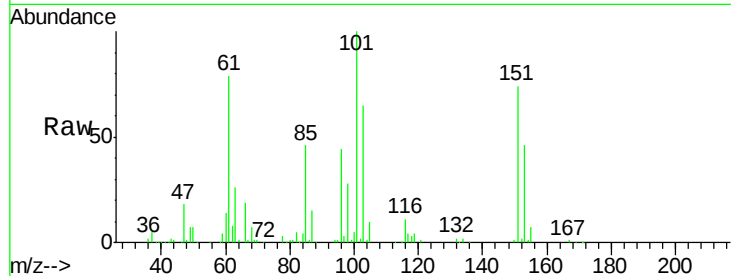
VSTDCCC050

Tot Ion:	101	Resp:	138672
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.8	53.8
151	73.7	58.1	87.1

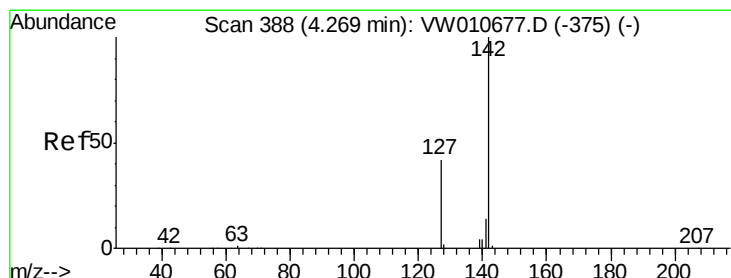
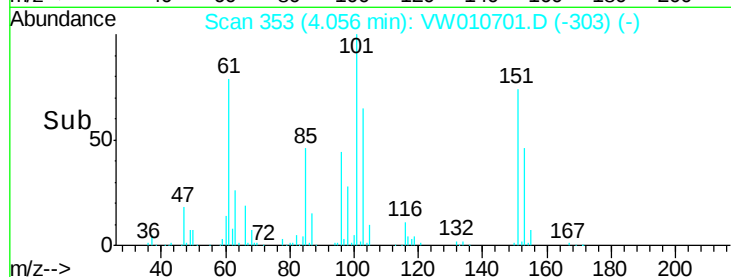
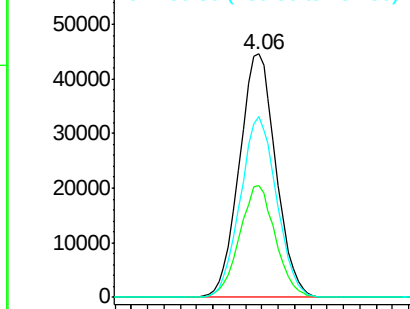
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VW
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.336 ug/l

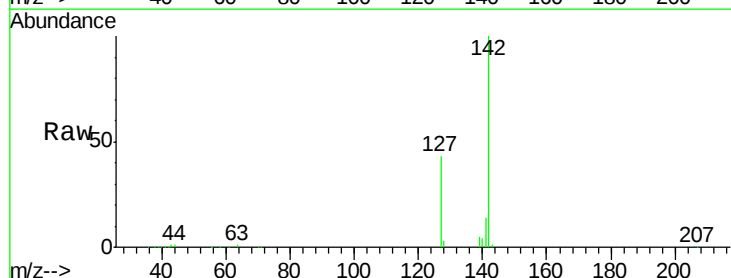
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

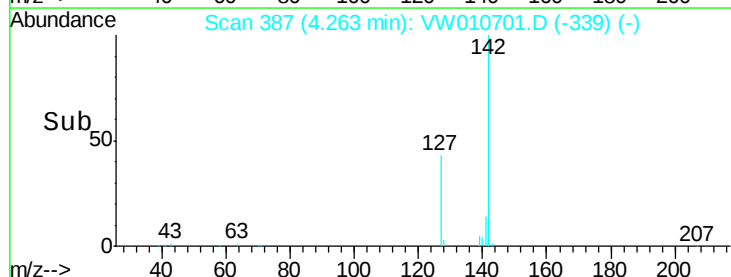
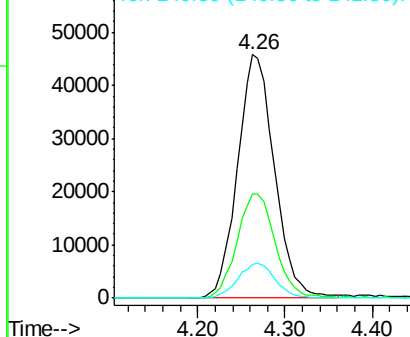
Lab File: VW010701.D

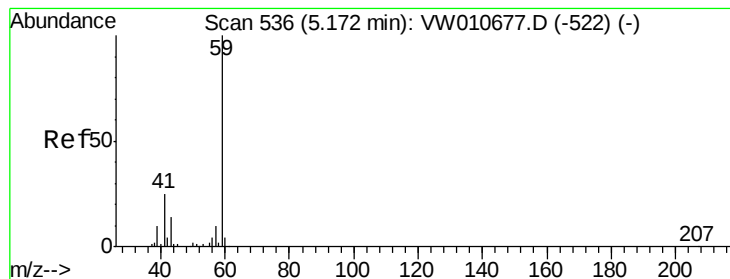
Acq: 06 Jun 2019 10:55

Tgt Ion:	142	Resp:	134152
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.6	51.8
141	14.5	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol
Concen: 249.980 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

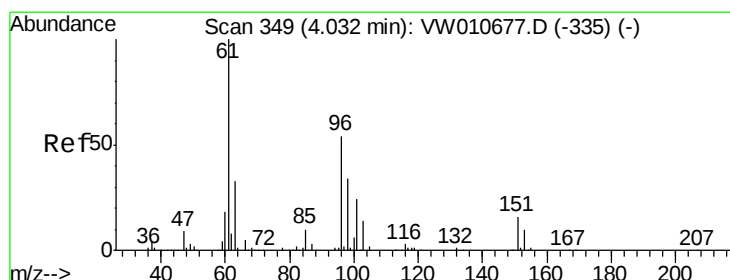
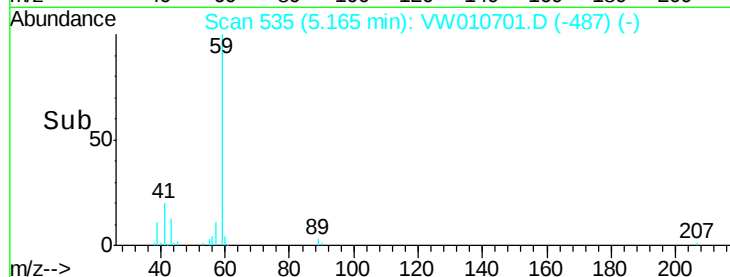
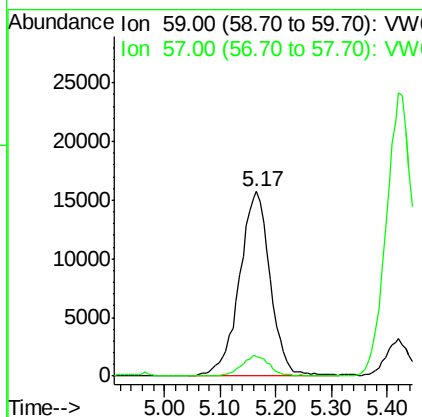
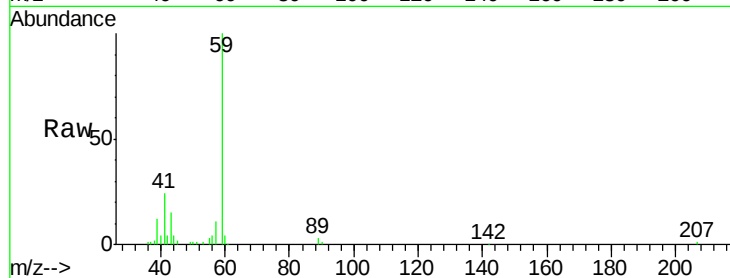
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.2	Resp:	60573	Lower	8.6	Upper	12.8
Ion	59	57	Ratio	100	10.2	Resp:	60573	Lower	8.6	Upper	12.8

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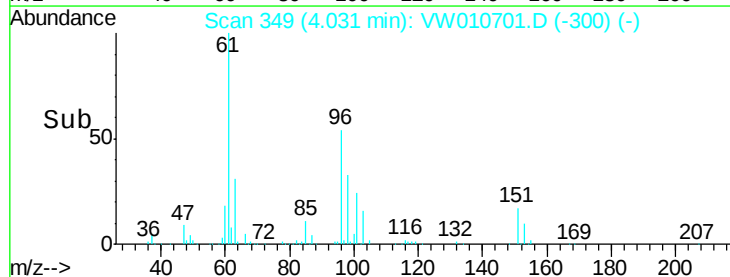
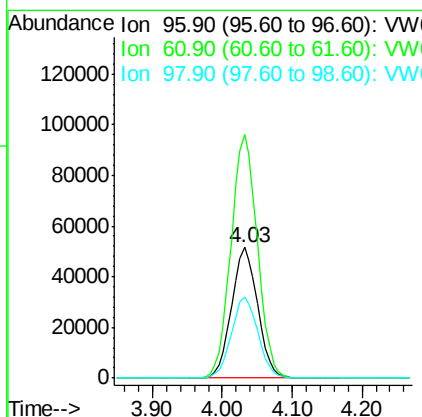
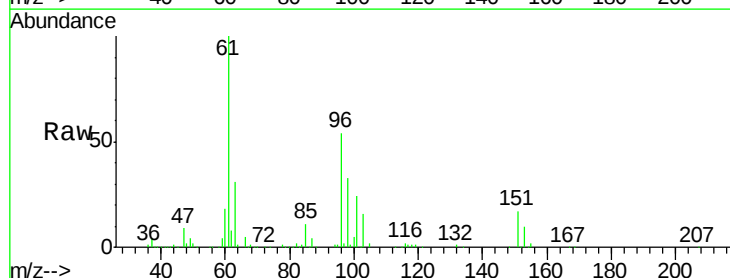
6/7/2019 11:24:40 AM

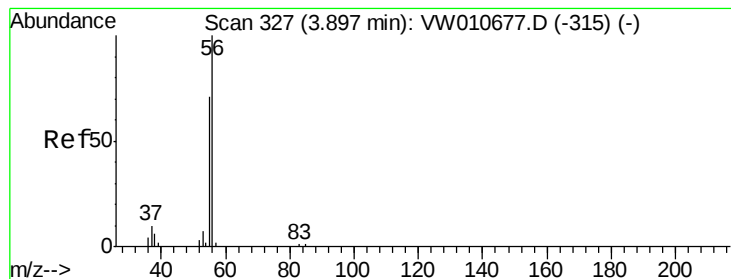


#12

1,1-Dichloroethene
Concen: 54.644 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	96	61	98	Ratio	100	186.3	61.9	Resp:	133351	Lower	149.1	51.1	Upper	223.7	76.7
Ion	96	61	98	Ratio	100	186.3	61.9	Resp:	133351	Lower	149.1	51.1	Upper	223.7	76.7





#13

Acrolein

Concen: 248.130 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 24569

Ion Ratio Lower Upper

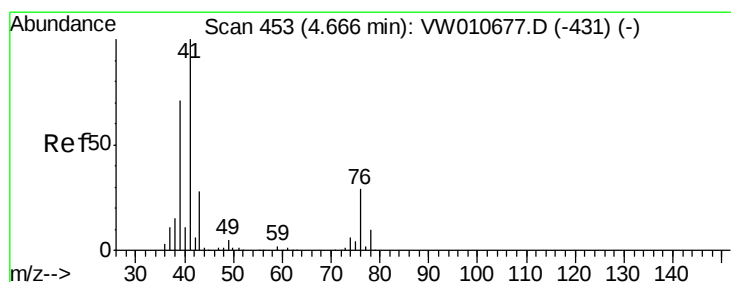
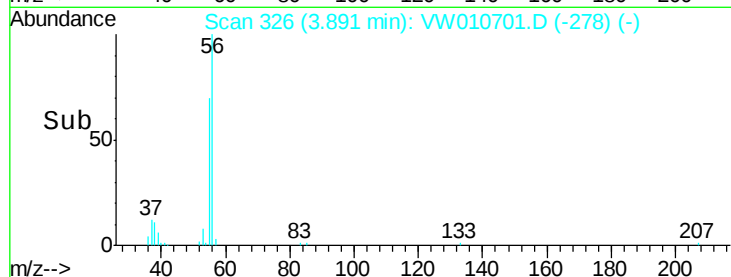
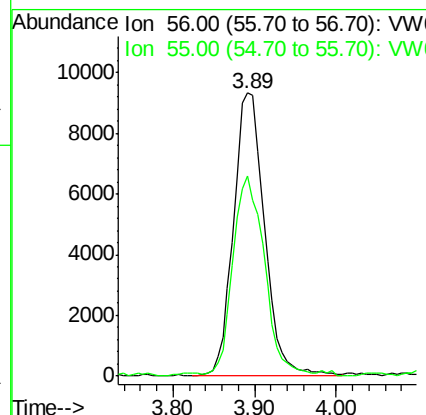
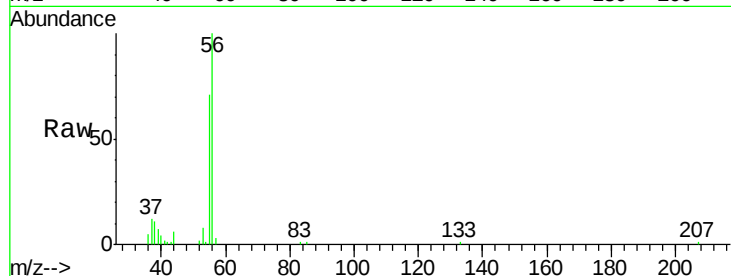
56 100

55 69.6 57.6 86.4

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#14

Allyl chloride

Concen: 55.726 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

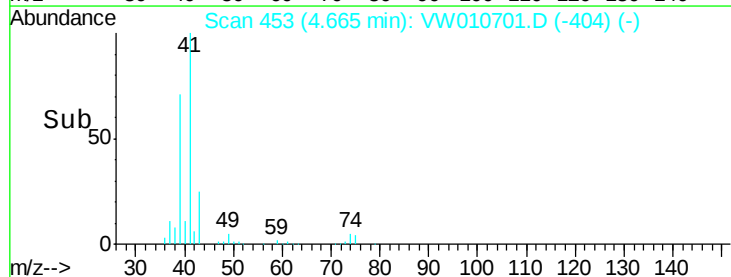
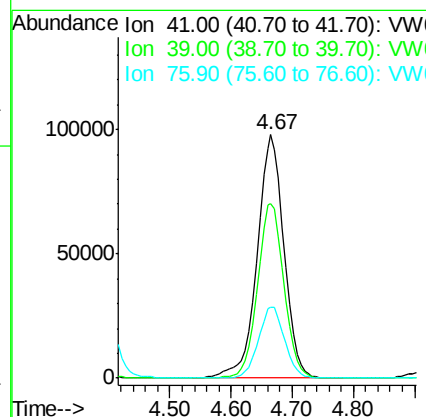
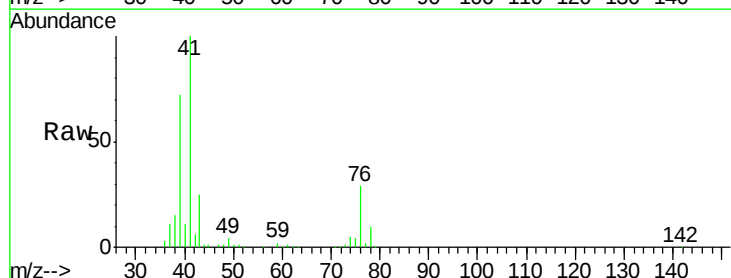
Tgt Ion: 41 Resp: 299852

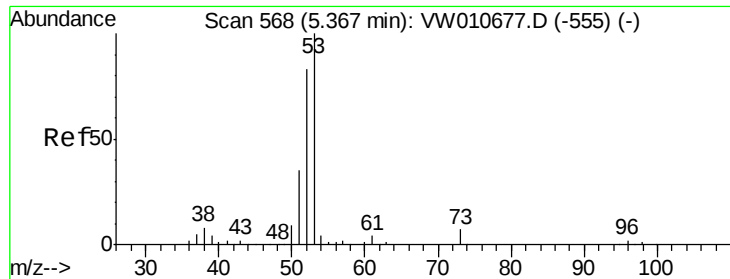
Ion Ratio Lower Upper

41 100

39 70.6 55.8 83.6

76 28.6 22.7 34.1





#15

Acrylonitrile

Concen: 234.791 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

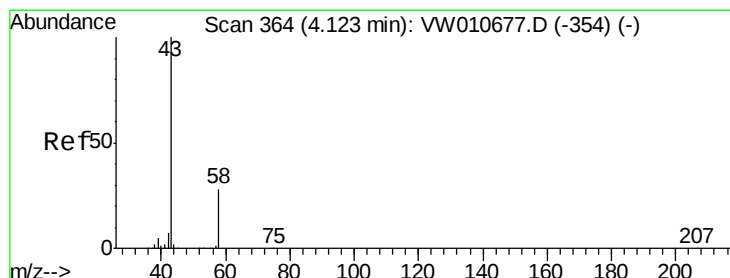
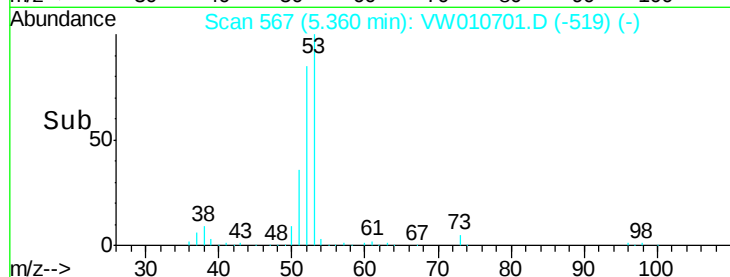
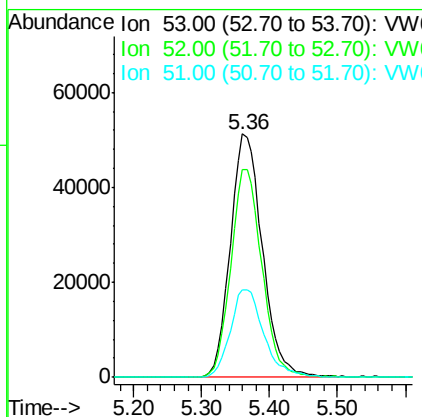
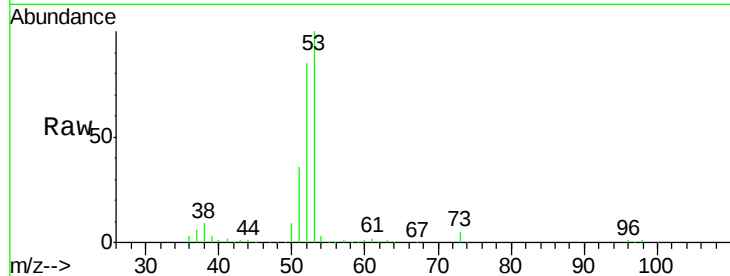
VSTDCCC050

Tot Ion:	53	Resp:	167731
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	37.8	29.8	44.8

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#16

Acetone

Concen: 273.649 ug/l

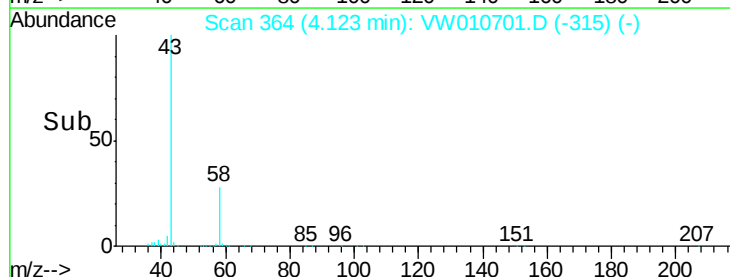
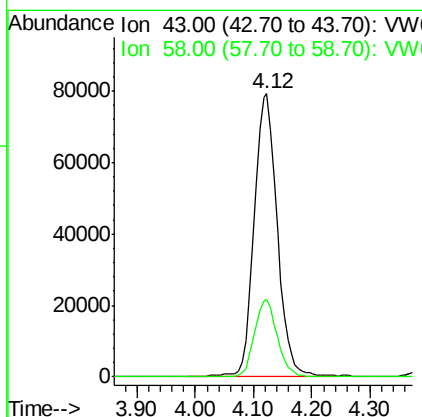
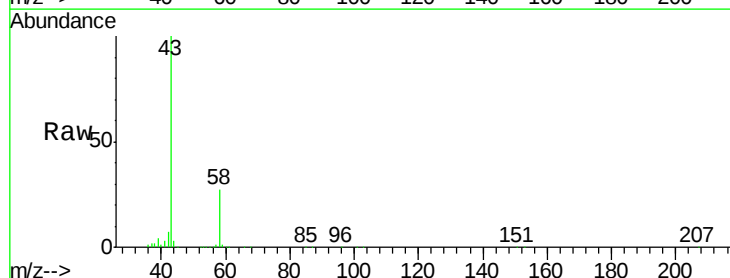
RT: 4.12 min Scan# 364

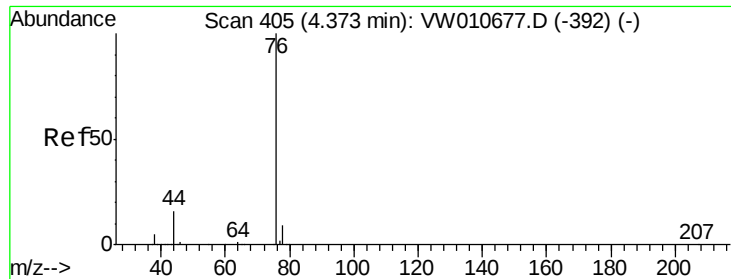
Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tgt Ion:	43	Resp:	218089
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.1	33.1





#17

Carbon Disulfide

Concen: 55.271 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tot Ion: 76 Resp: 428174

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

Instrument :

MSVOA_W

ClientSampleId :

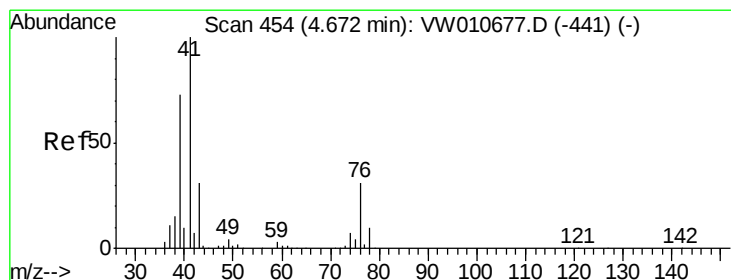
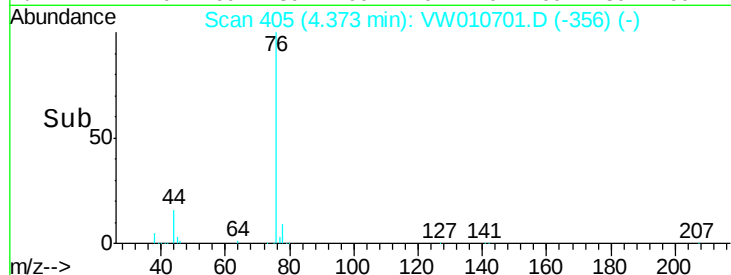
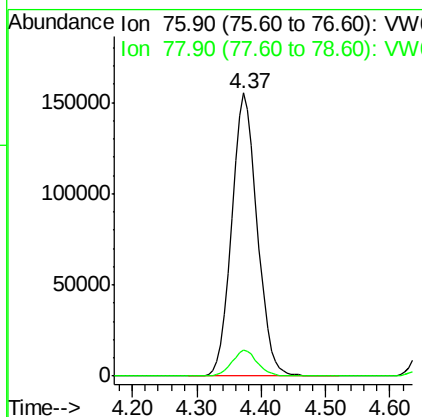
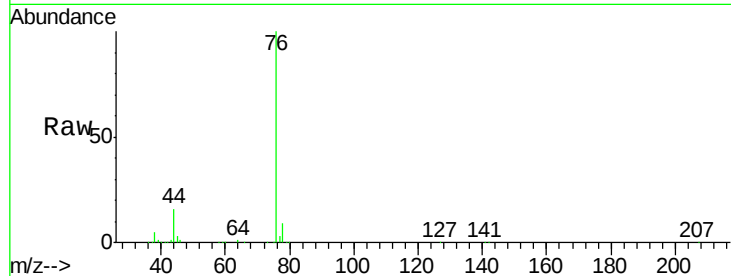
VSTDCCC050

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#18

Methyl Acetate

Concen: 43.788 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010701.D

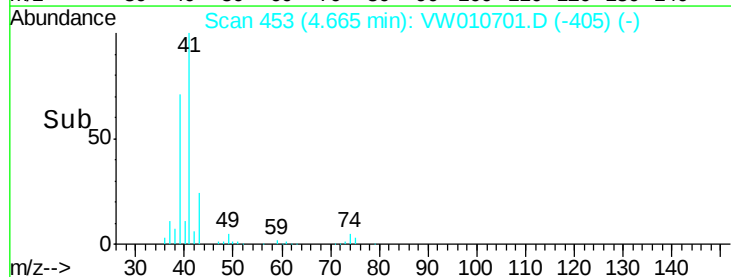
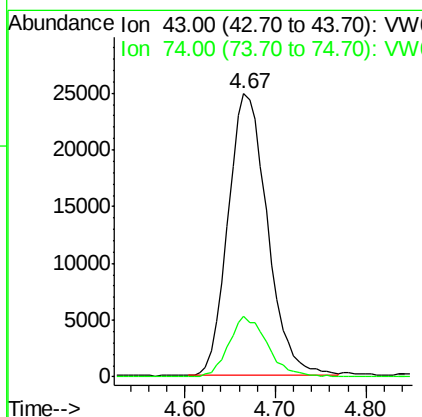
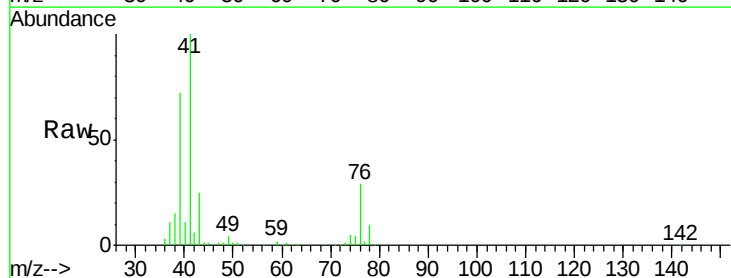
Acq: 06 Jun 2019 10:55

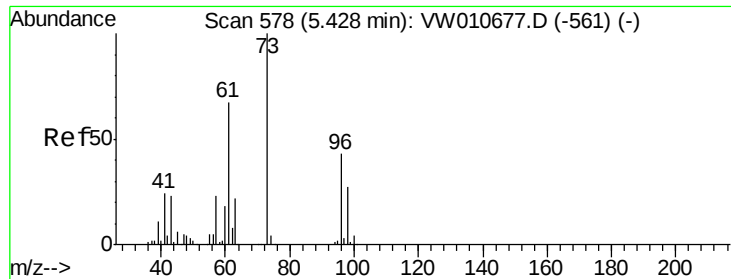
Tgt Ion: 43 Resp: 75120

Ion Ratio Lower Upper

43 100

74 21.0 16.7 25.1





#19
Methvl tert-butvl Ether
Concen: 48.421 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

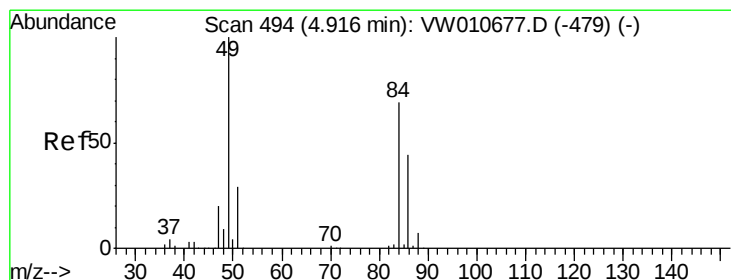
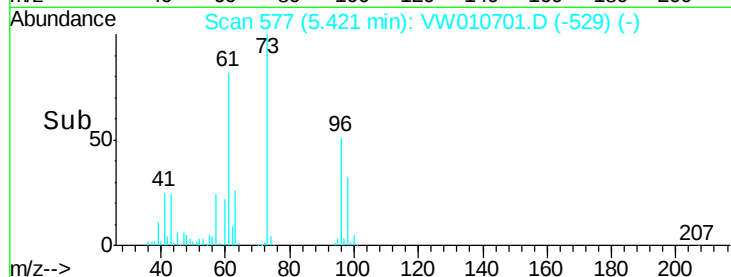
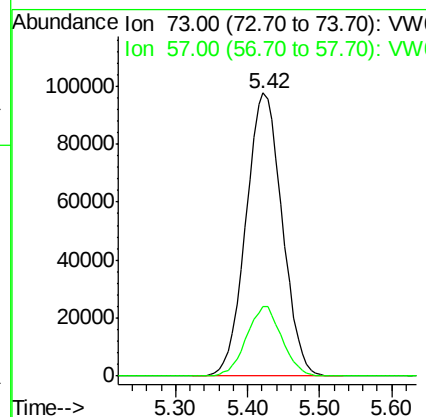
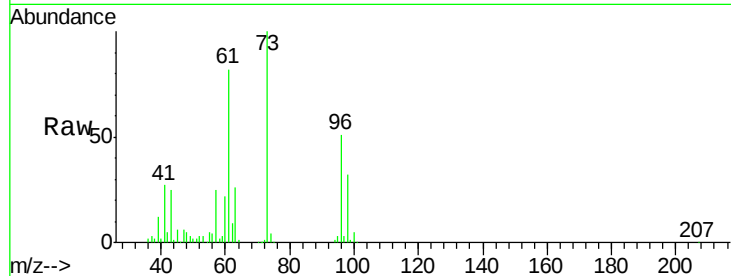
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 340805
Ion Ratio Lower Upper
73 100
57 24.7 18.6 27.8

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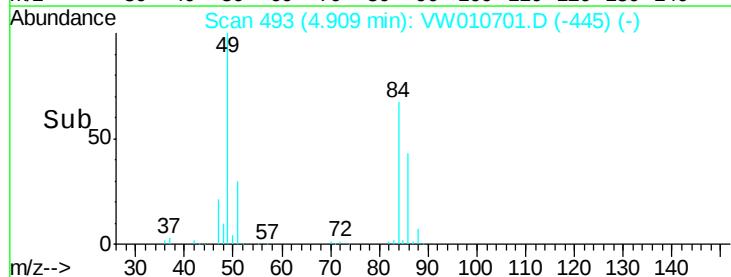
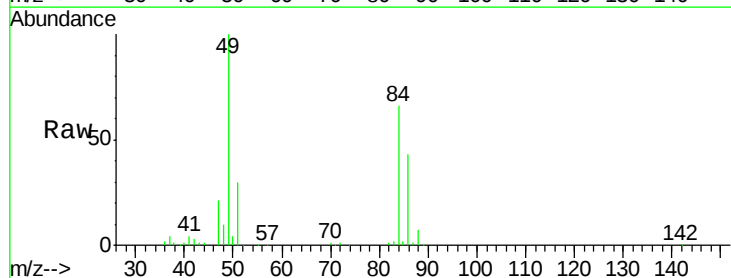
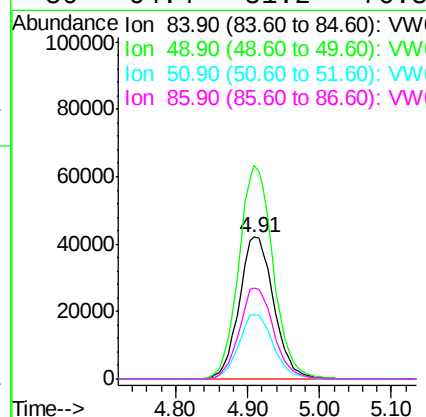
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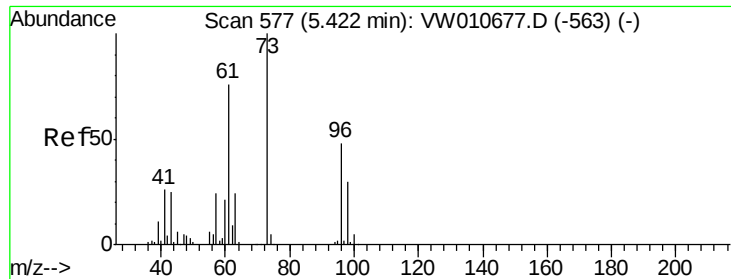
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#20
Methylene Chloride
Concen: 50.192 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion: 84 Resp: 140329
Ion Ratio Lower Upper
84 100
49 150.7 116.7 175.1
51 45.0 34.2 51.2
86 64.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.352 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

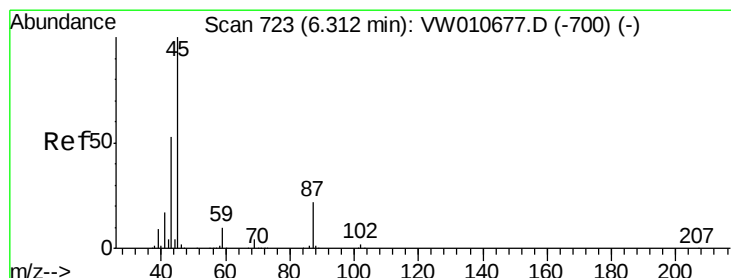
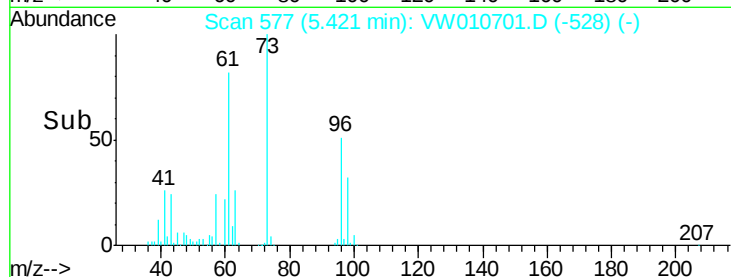
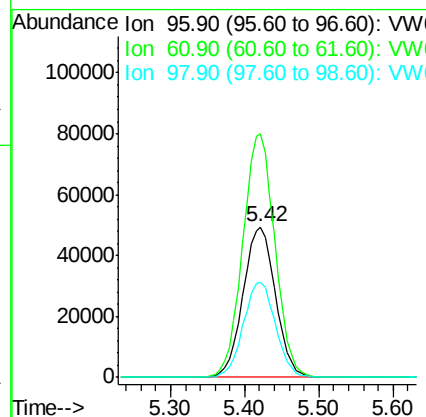
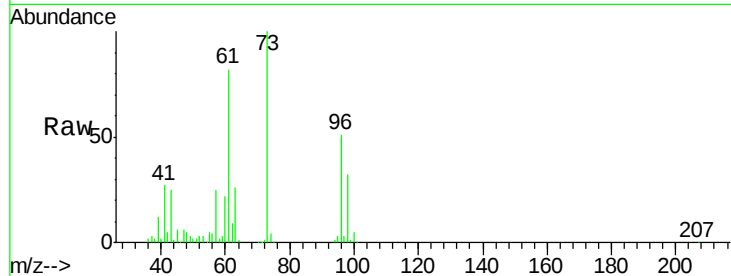
VSTDCCC050

Tot Ion:	96	Resp:	150571
Ion	Ratio	Lower	Upper
96	100		
61	162.1	126.0	189.0
98	63.0	49.6	74.4

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#22

Diisopropyl ether

Concen: 52.686 ug/l

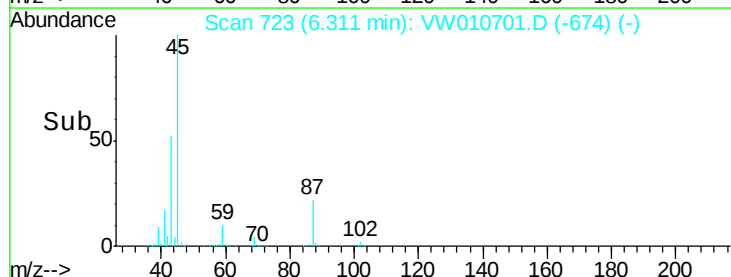
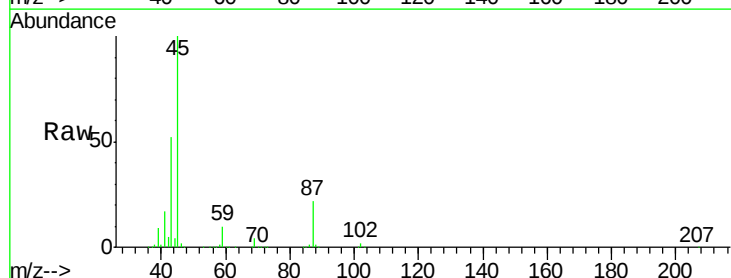
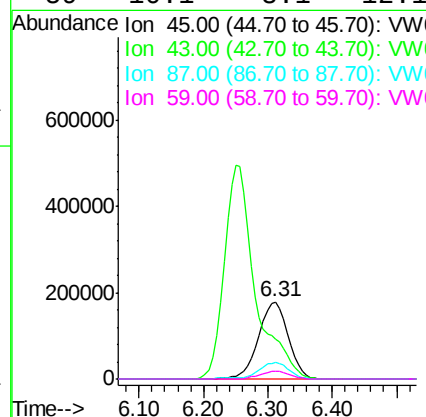
RT: 6.31 min Scan# 723

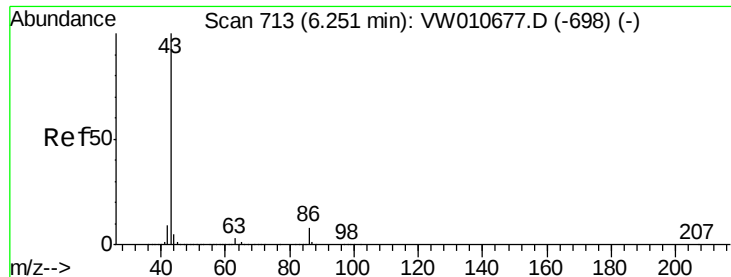
Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tgt Ion:	45	Resp:	567564
Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.5	63.7
87	21.6	17.4	26.2
59	10.1	8.1	12.1





#23

Vinyl Acetate

Concen: 256.159 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tot Ion: 43 Resp: 1665339

Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0

Instrument :

MSVOA_W

ClientSampled :

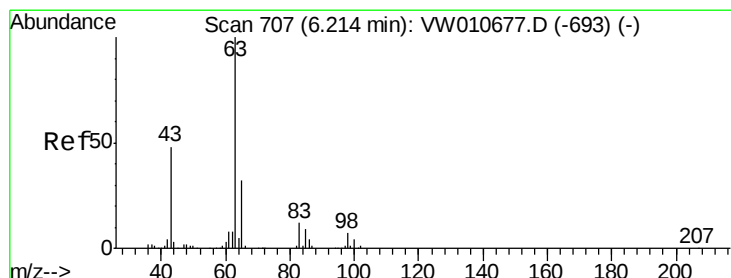
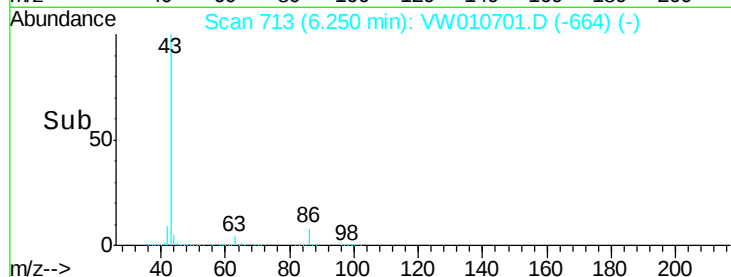
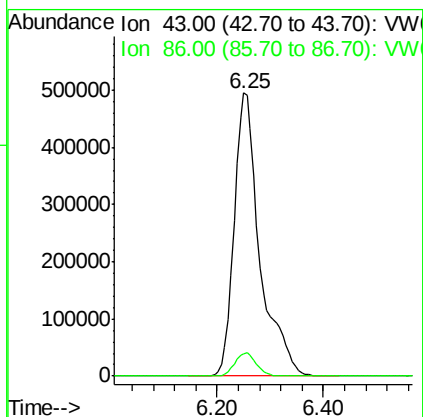
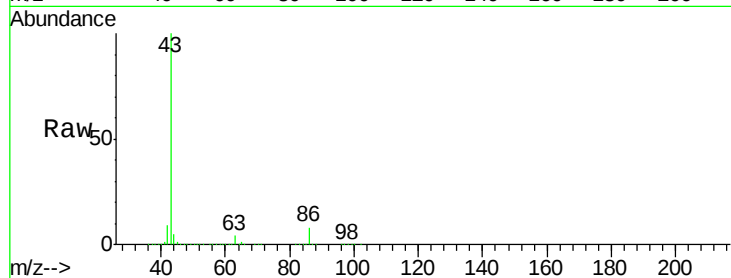
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 53.948 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

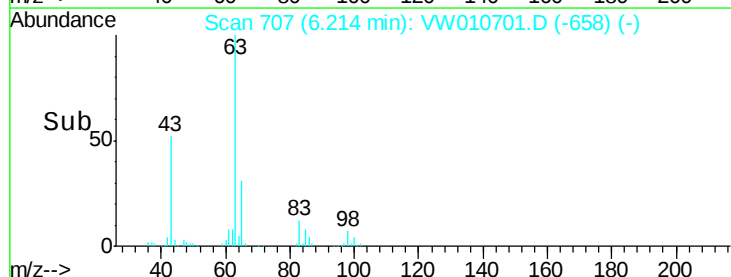
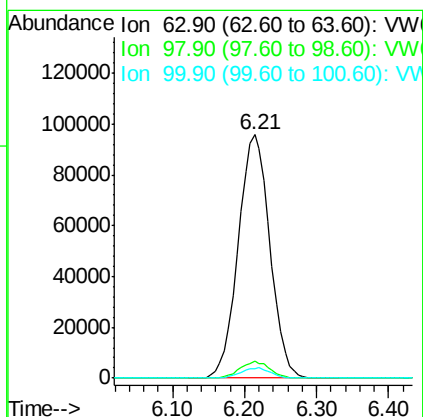
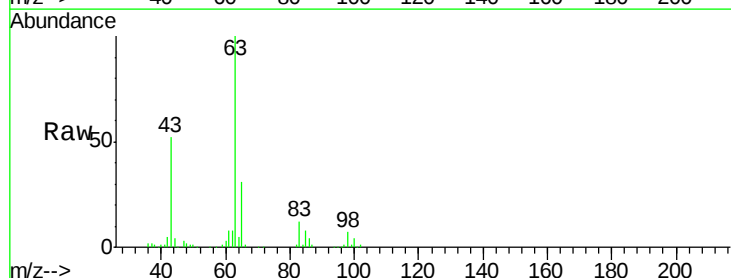
Tgt Ion: 63 Resp: 291243

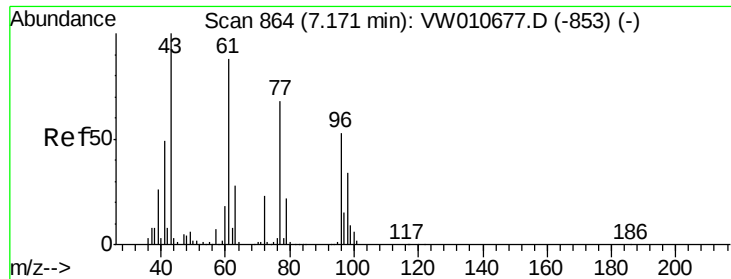
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 247.229 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 273213

Ion Ratio Lower Upper

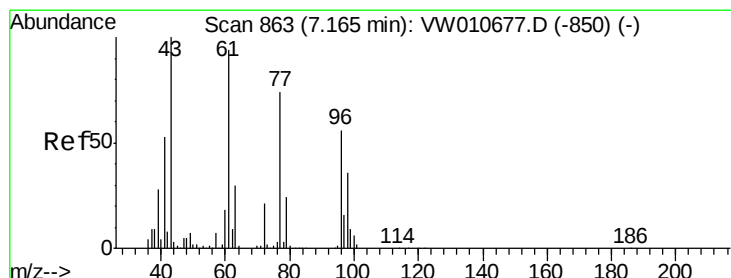
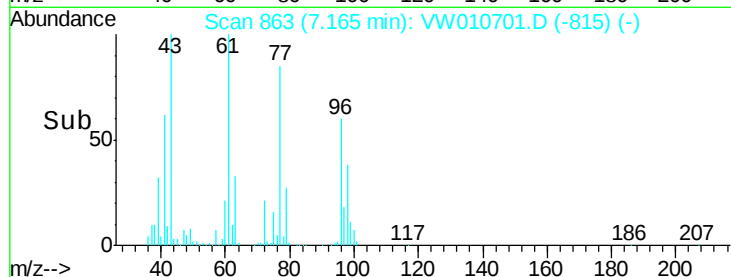
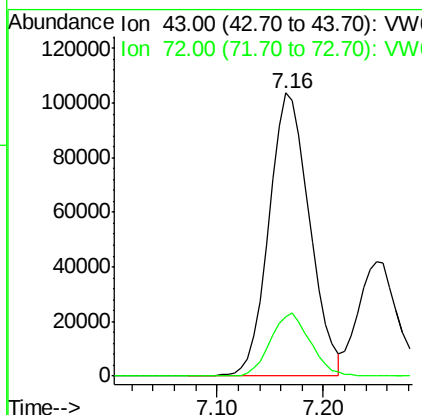
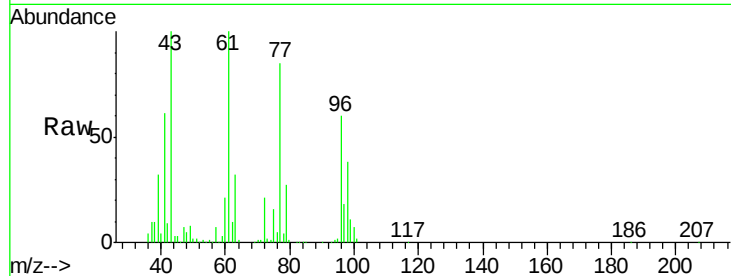
43 100

72 21.2 18.1 27.1

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#26

2,2-Dichloropropane

Concen: 59.337 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010701.D

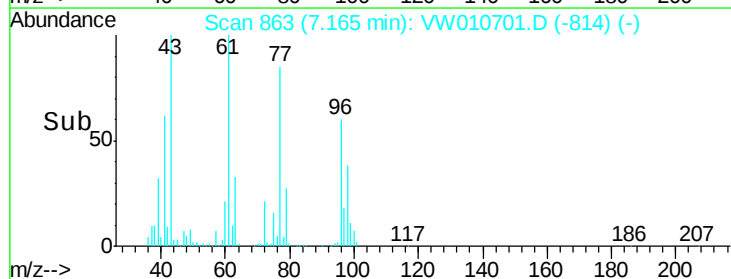
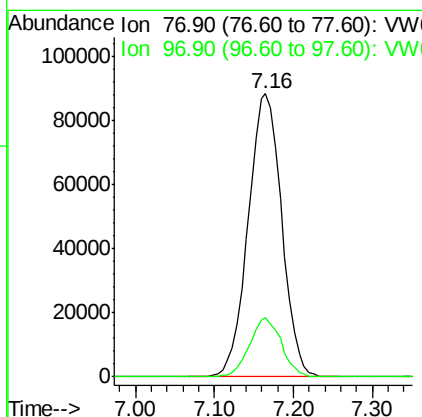
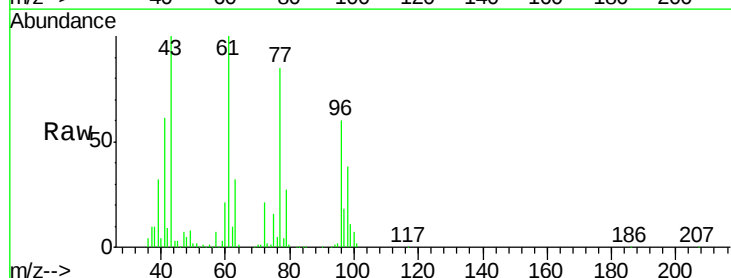
Acq: 06 Jun 2019 10:55

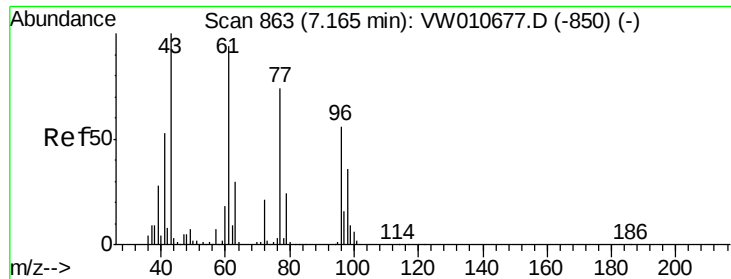
Tgt Ion: 77 Resp: 260668

Ion Ratio Lower Upper

77 100

97 19.8 10.5 31.6





#27

cis-1,2-Dichloroethene
Concen: 53.573 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

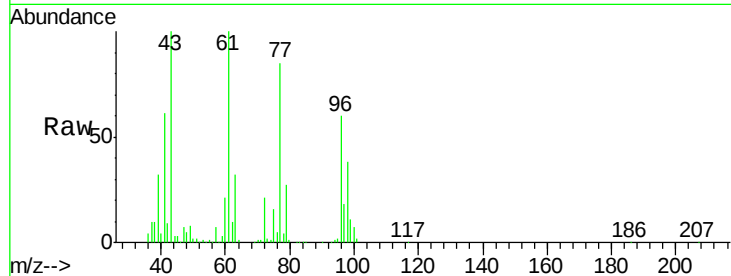
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	163332		
61	172.1	0.0	336.4	
98	63.6	0.0	128.0	

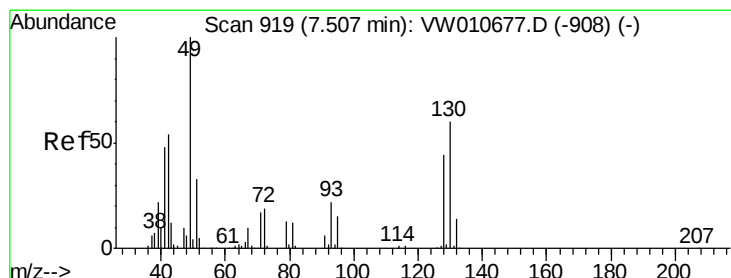
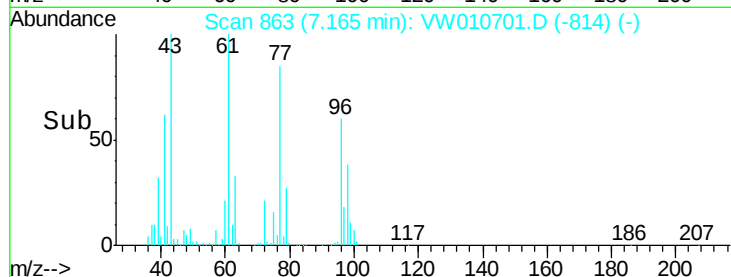
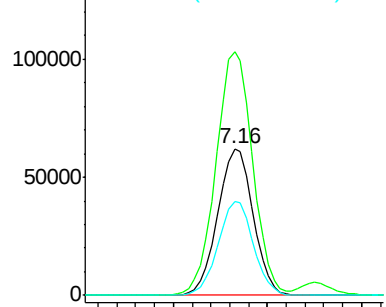
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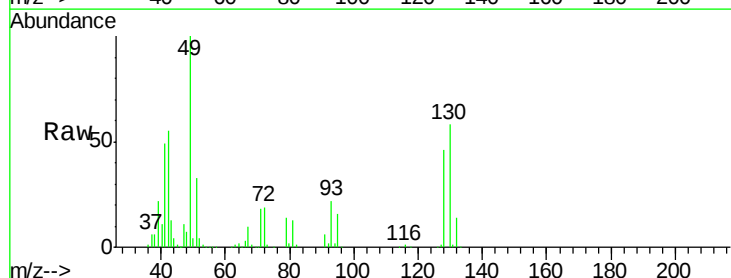
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



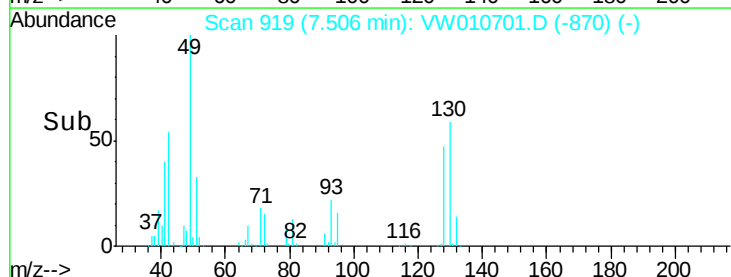
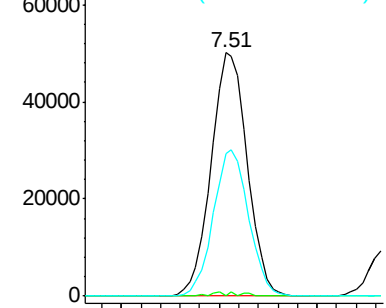
#28

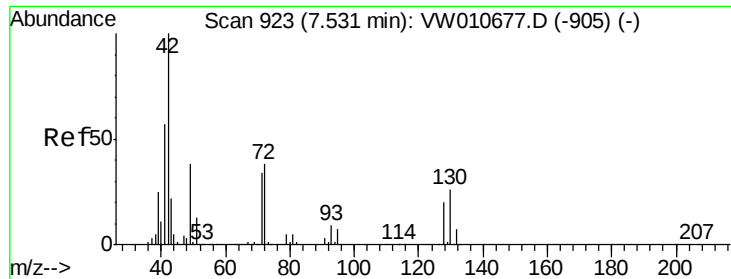
Bromochloromethane
Concen: 53.173 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128108		
129	0.5	0.0	3.2	
130	58.7	48.3	72.5	



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: 226.806 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

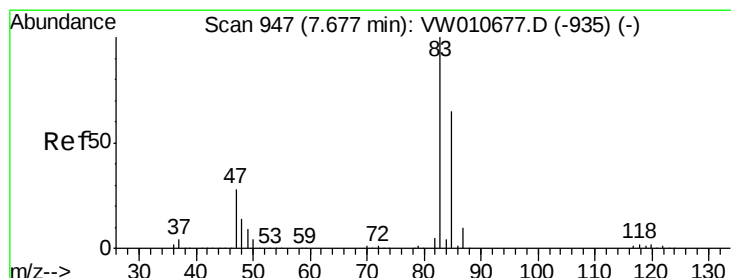
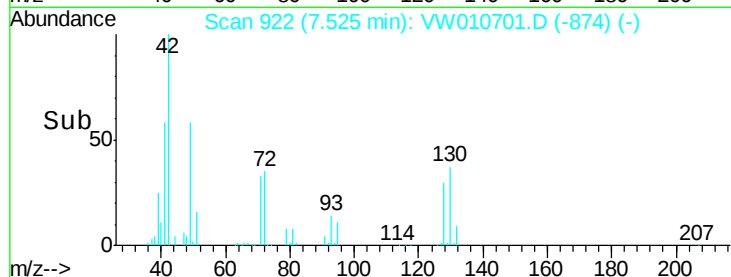
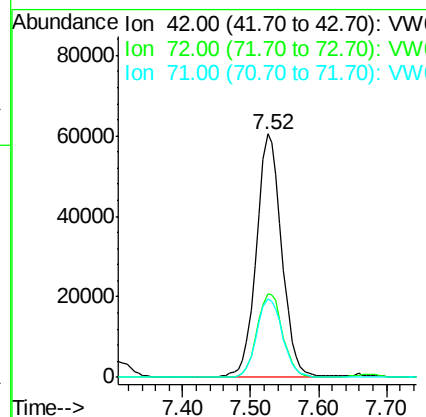
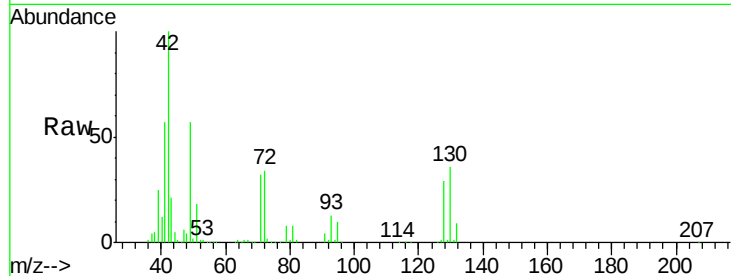
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	157653
Ion	Ratio	Lower	Upper
42	100		
72	34.9	28.7	43.1
71	32.8	26.6	39.8

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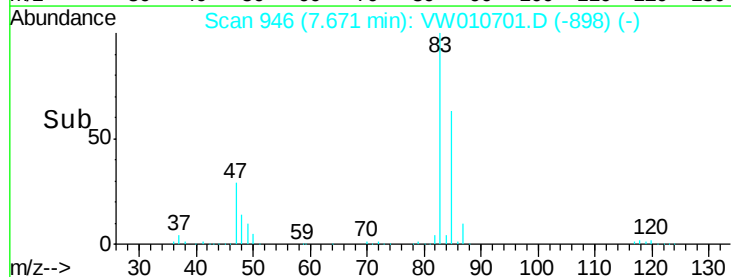
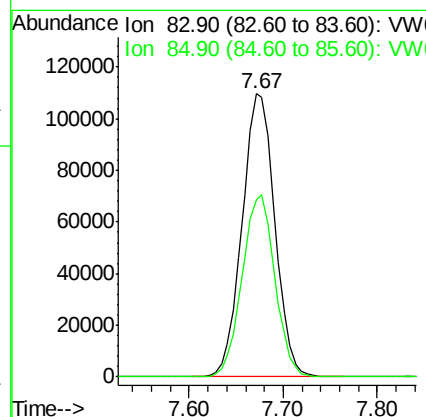
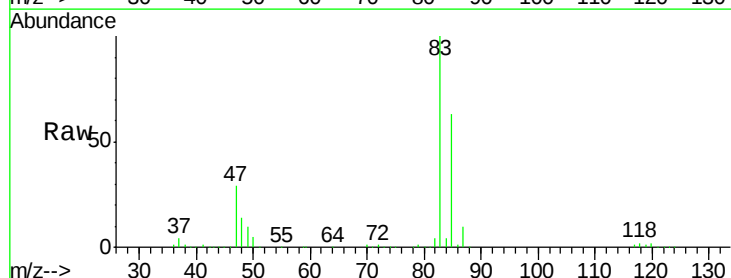
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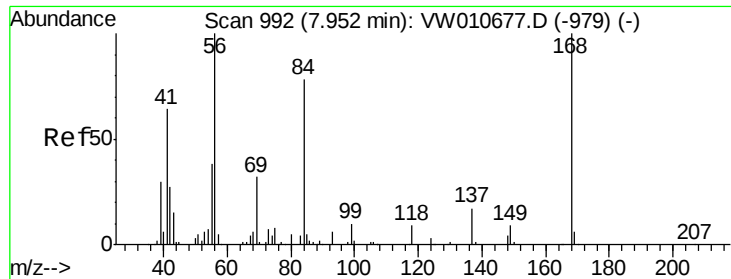
6/7/2019 11:24:40 AM



#30
Chloroform
Concen: 53.892 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion:	83	Resp:	266114
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.8	77.8





#31
Cyclohexane
Concen: 52.036 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

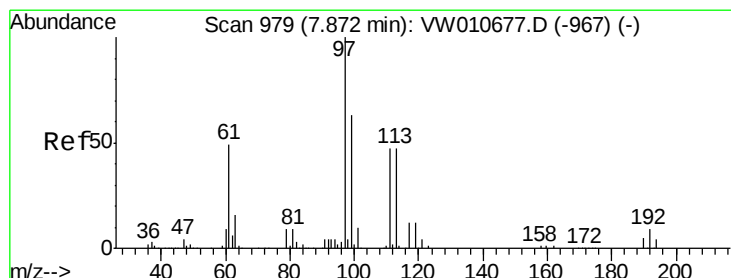
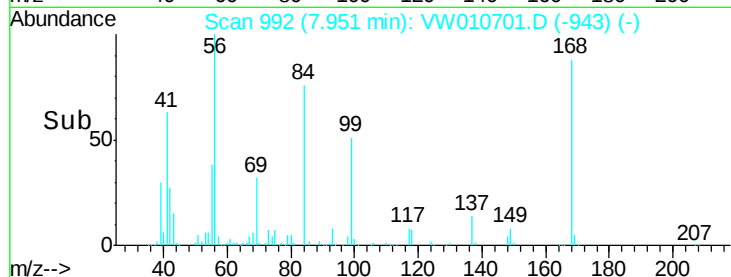
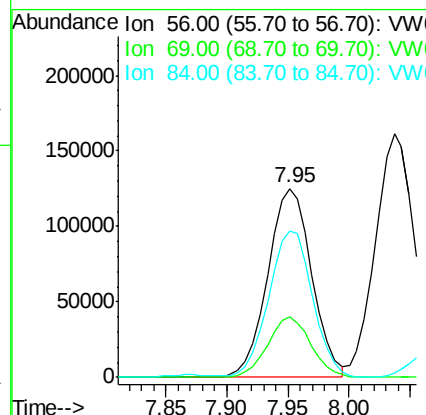
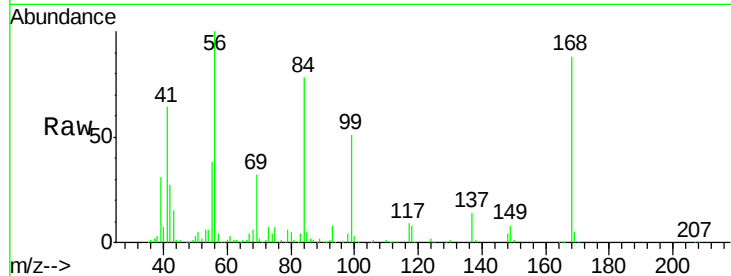
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:	56	Resp:	312280
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.2	37.8
84	76.2	62.2	93.2

Manual Integrations
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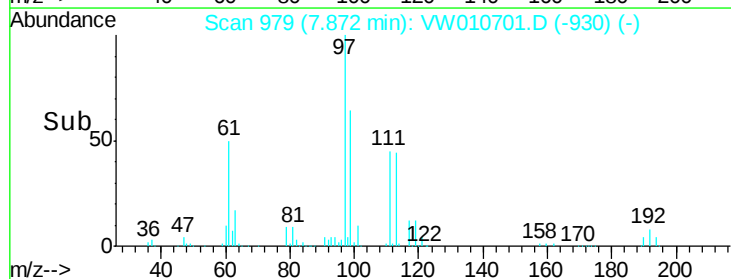
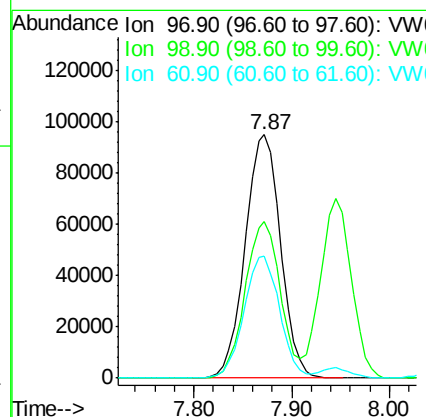
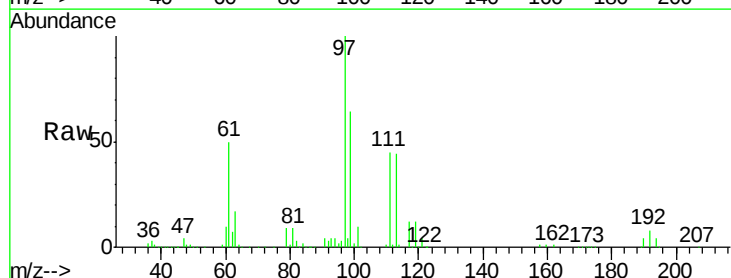
MMDadoda

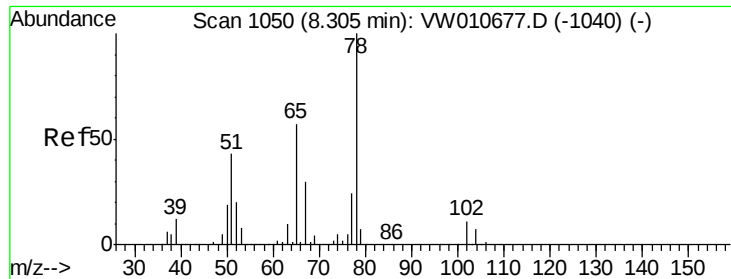
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#32
1,1,1-Trichloroethane
Concen: 55.330 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion:	97	Resp:	238665
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	50.6	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 50.844 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tot Ion: 65 Resp: 151228

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.6

Instrument :

MSVOA_W

ClientSampleId :

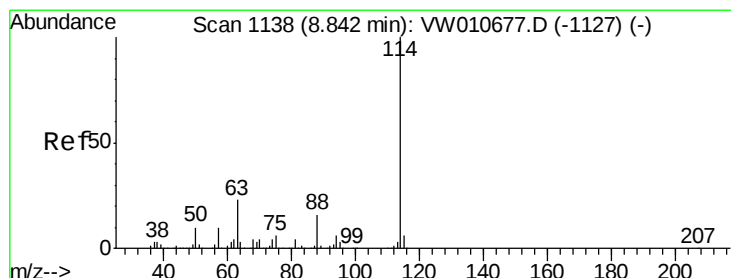
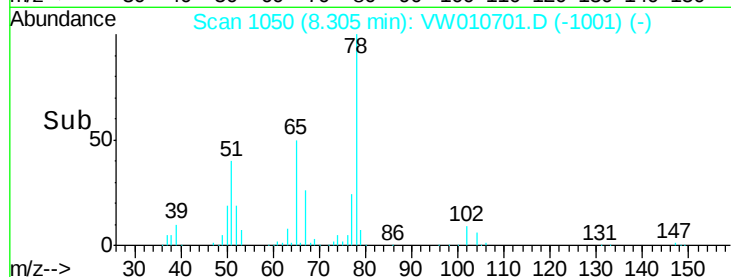
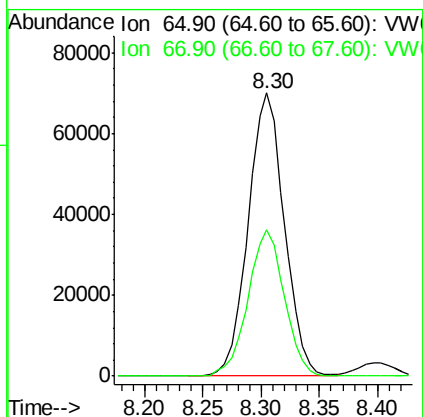
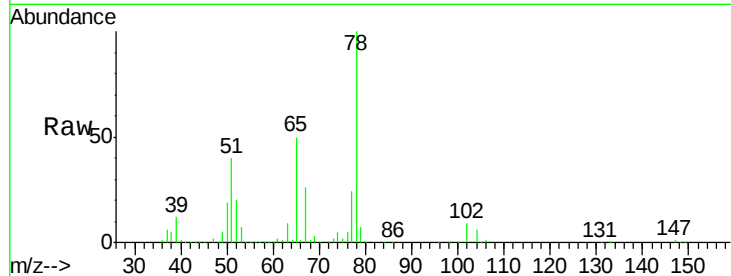
VSTDCCC050

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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: VW010701.D

Acq: 06 Jun 2019 10:55

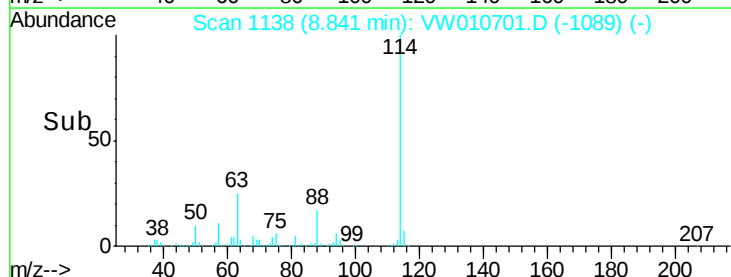
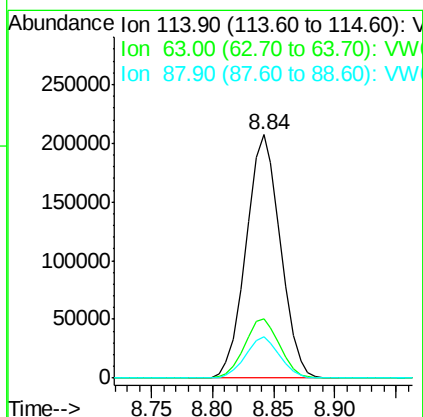
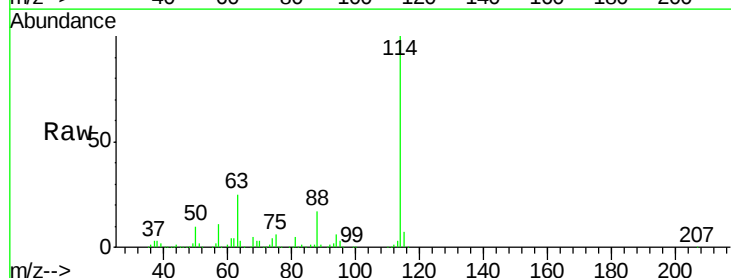
Tgt Ion: 114 Resp: 404987

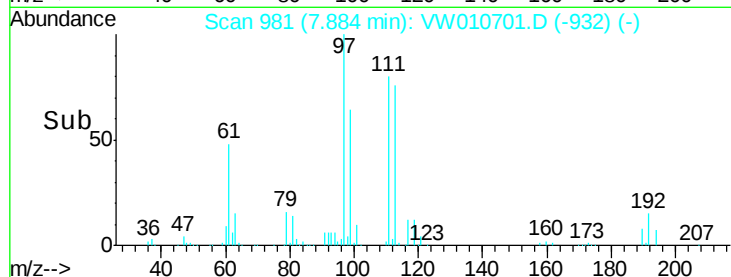
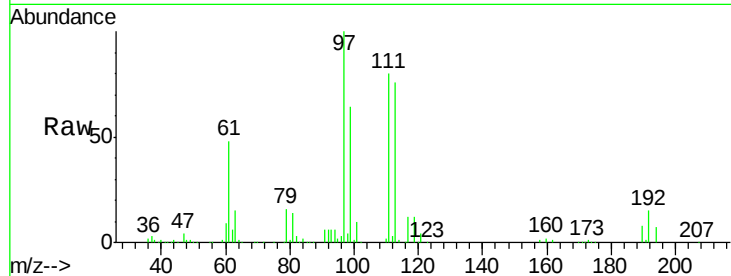
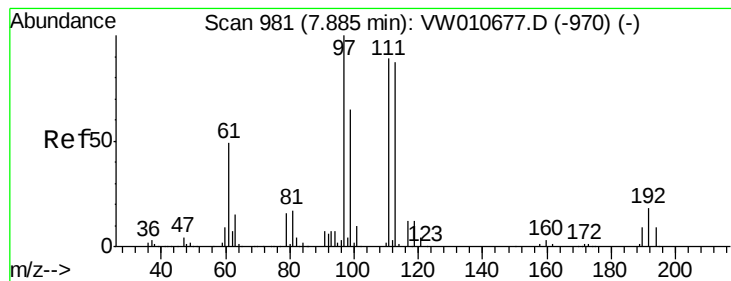
Ion Ratio Lower Upper

114 100

63 24.5 0.0 46.4

88 17.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 56.428 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

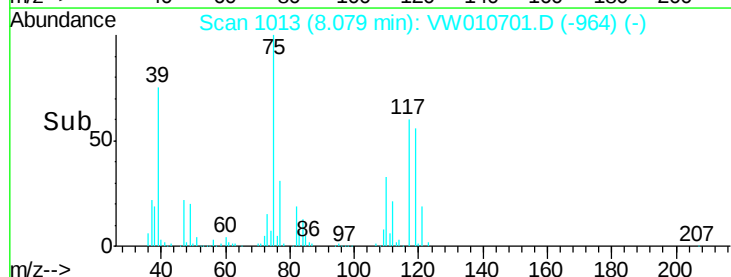
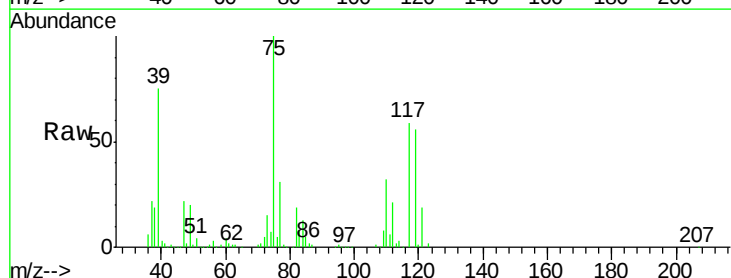
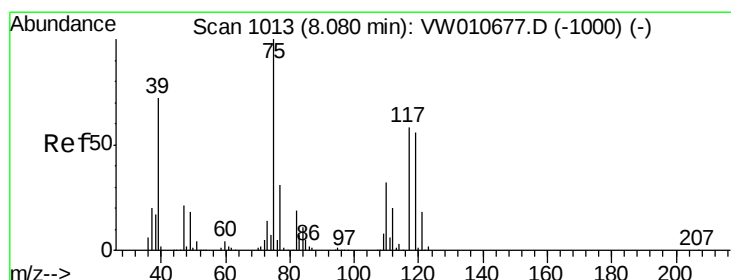
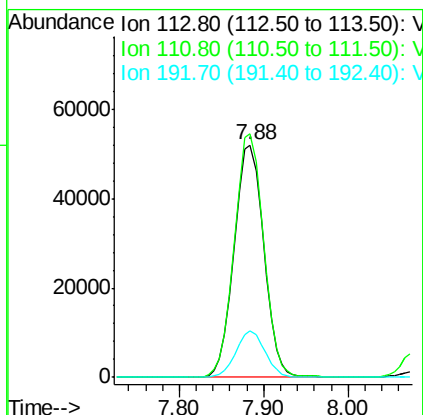
Tot Ion:	113	Resp:	124040
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.6	123.8
192	19.4	16.4	24.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 55.594 ug/l

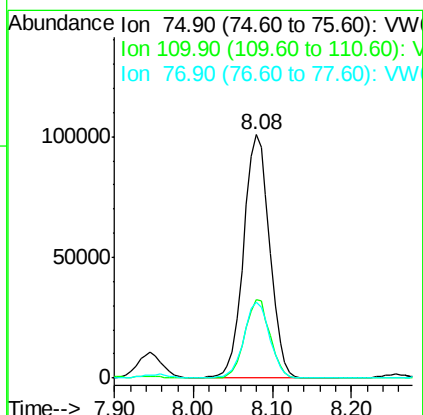
RT: 8.08 min Scan# 1013

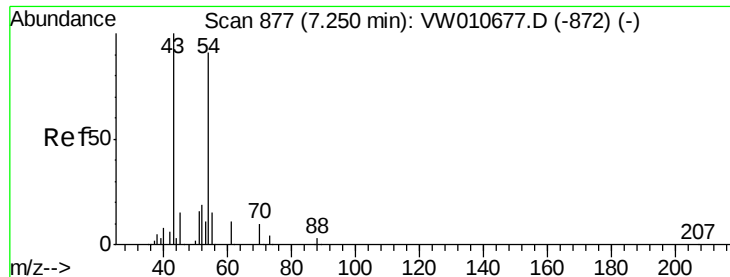
Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tgt Ion:	75	Resp:	230467
Ion Ratio	Lower	Upper	
75	100		
110	31.6	15.8	47.3
77	31.2	24.7	37.1





#37
Ethyl Acetate
Concen: 48.106 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

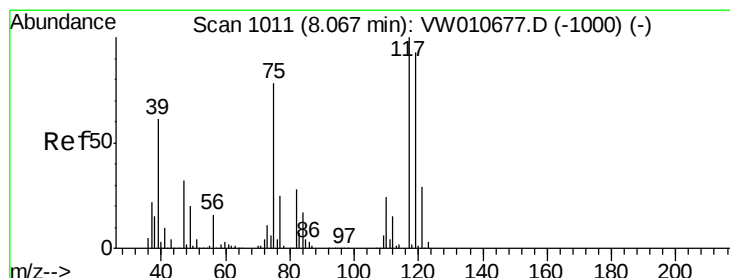
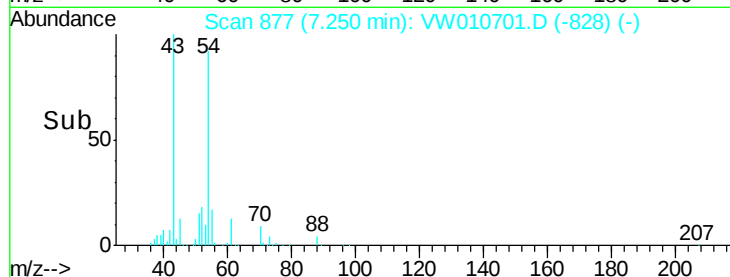
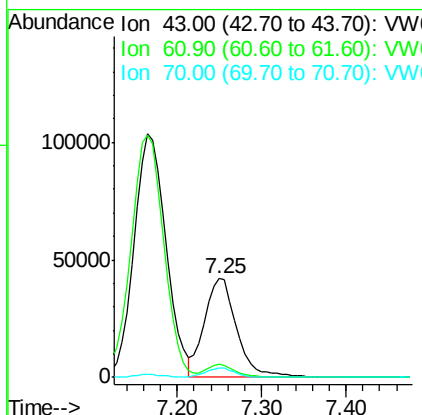
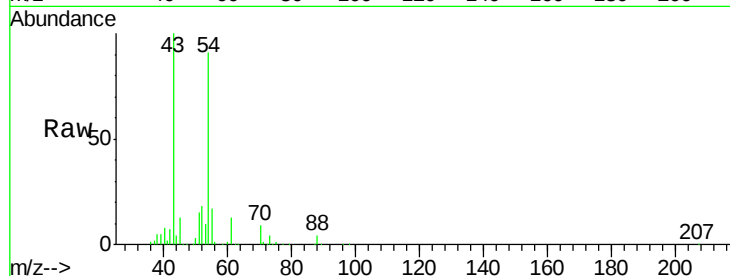
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.7	14.5
70	8.9	7.2	10.8

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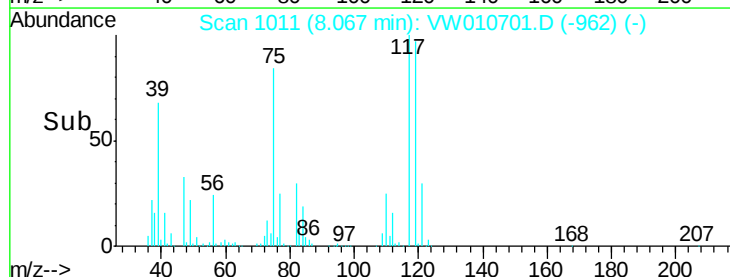
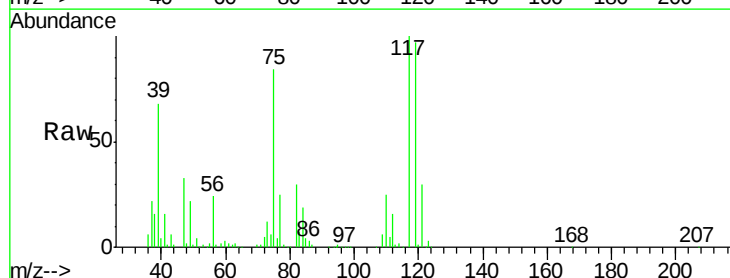
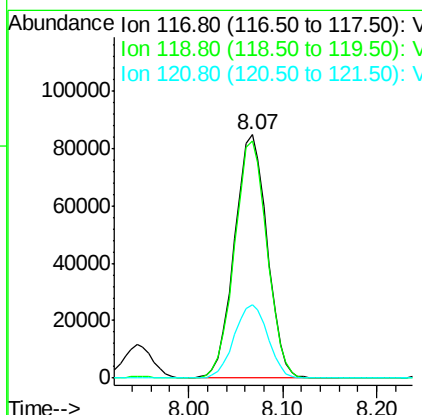
MMDadoda

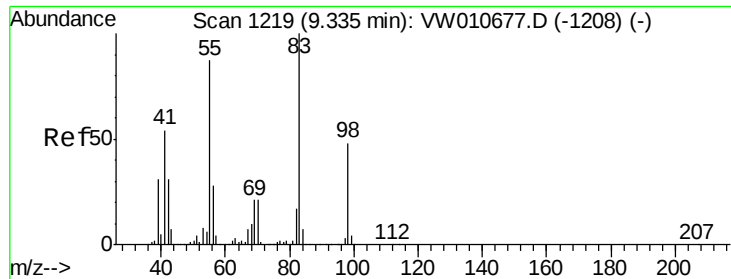
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#38
Carbon Tetrachloride
Concen: 57.065 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	74.2	111.4
121	30.1	22.9	34.3





#39
Methvlcvclohexane
Concen: 56.005 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

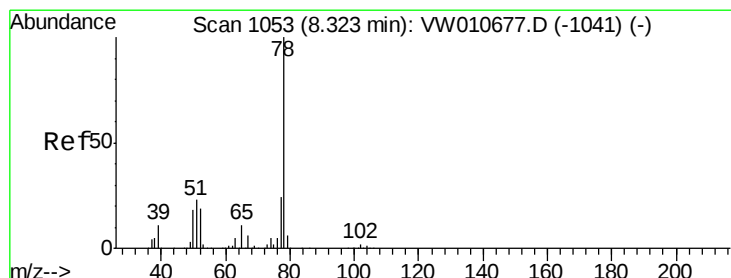
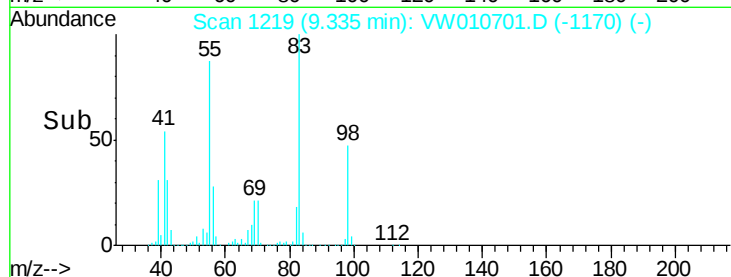
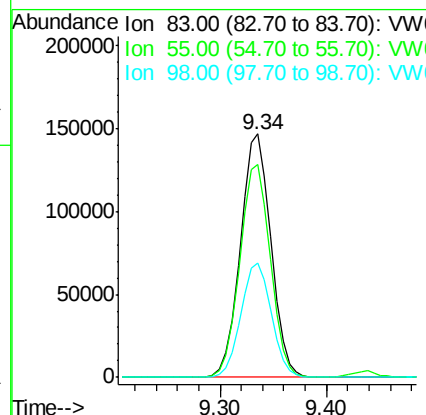
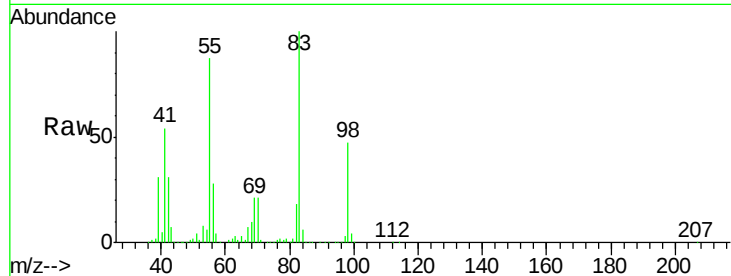
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	70.0	105.0
98	46.8	38.1	57.1

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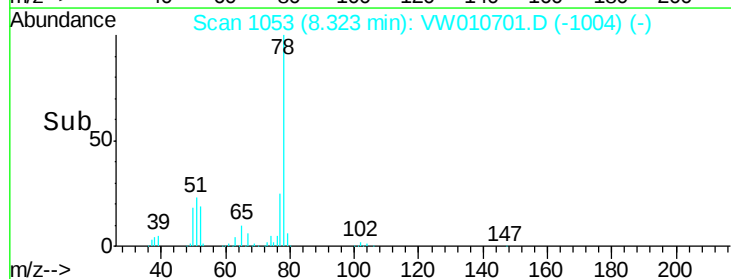
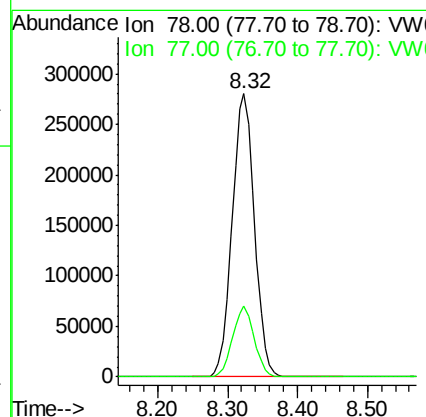
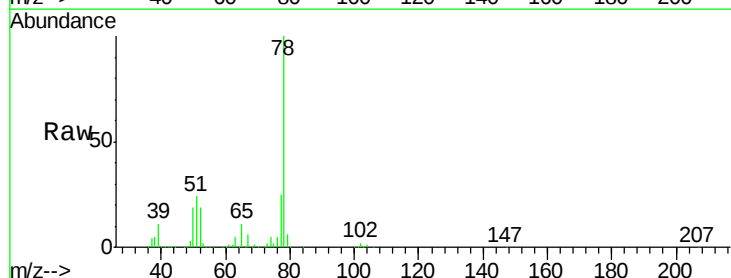
MMDadoda

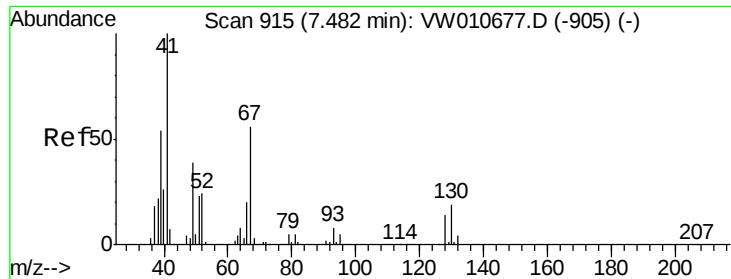
6/7/2019 11:24:40 AM



#40
Benzene
Concen: 54.615 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.1	28.7





#41
Methacrylonitrile
Concen: 48.698 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

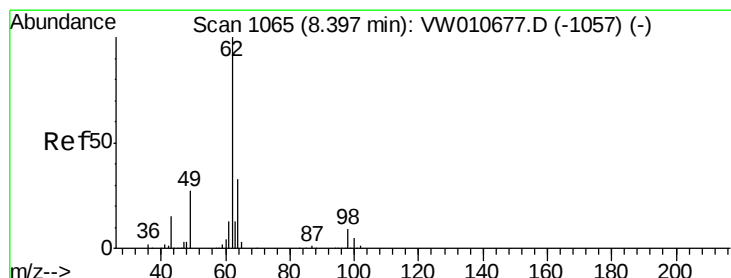
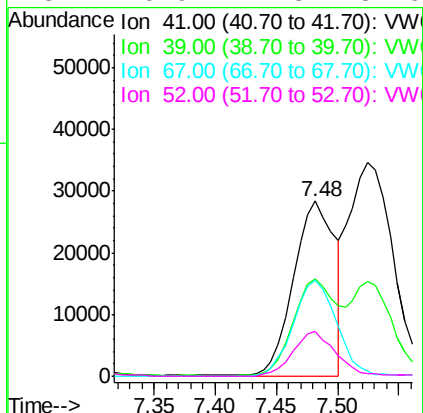
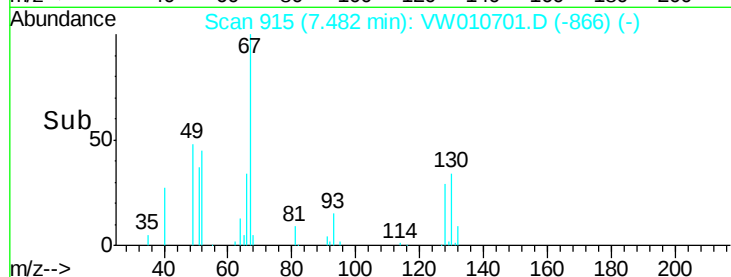
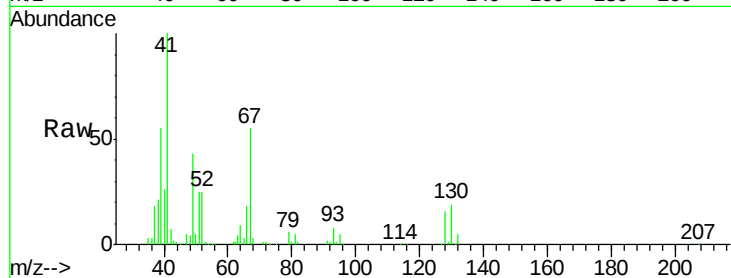
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.3	47.3	70.9
67	58.2	47.2	70.8
52	26.9	21.3	31.9

Manual Integrations
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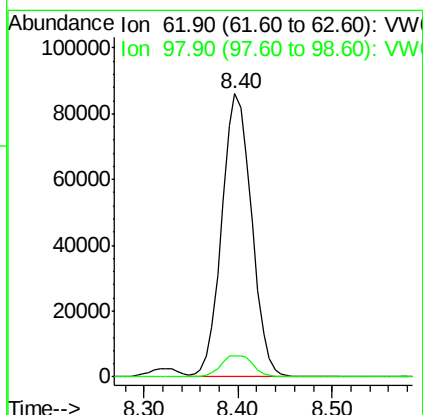
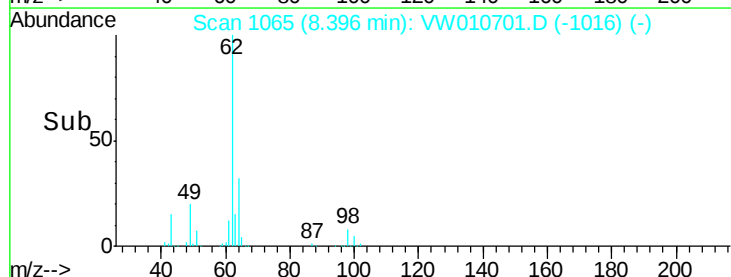
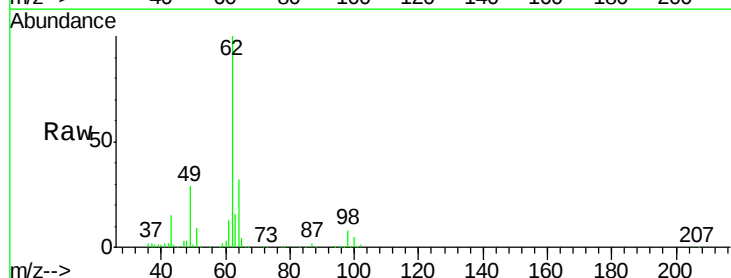
MMDadoda

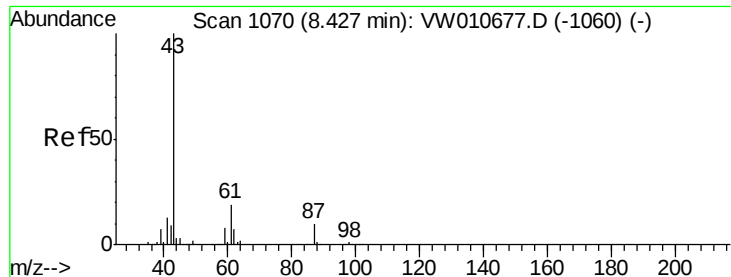
6/7/2019 11:24:40 AM



#42
1,2-Dichloroethane
Concen: 52.676 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 47.719 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

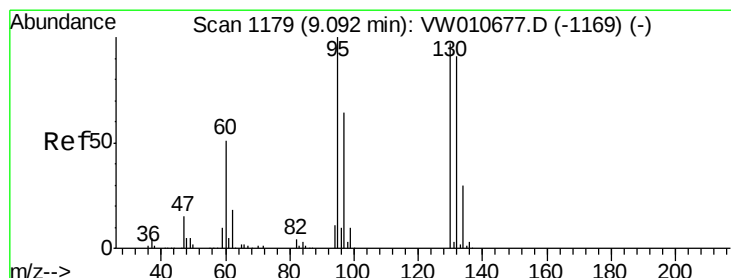
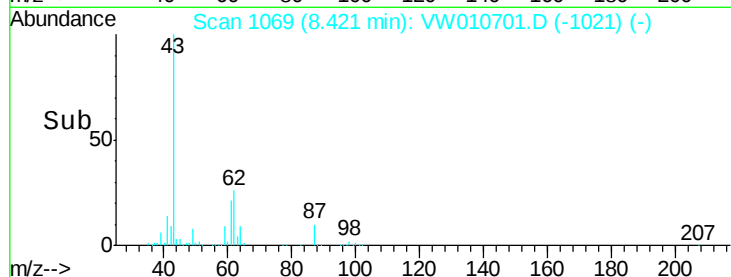
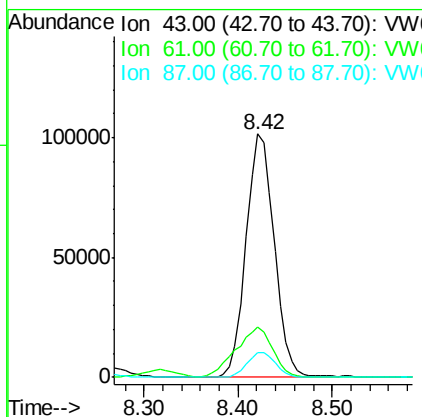
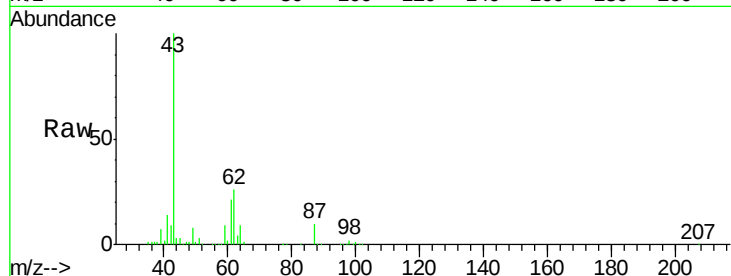
VSTDCCC050

Tot Ion:	43	Resp:	211779
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.2	31.8
87	10.3	8.3	12.5

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#44

Trichloroethene

Concen: 54.786 ug/l

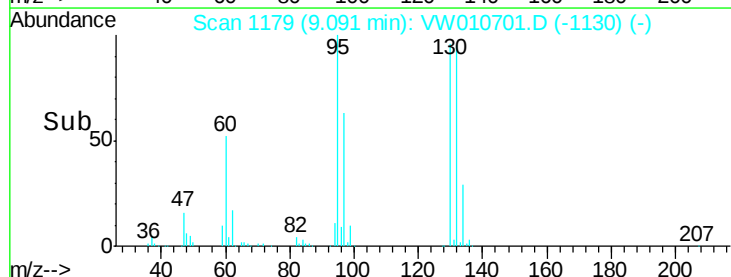
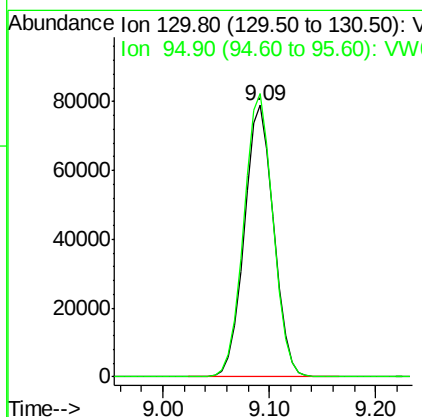
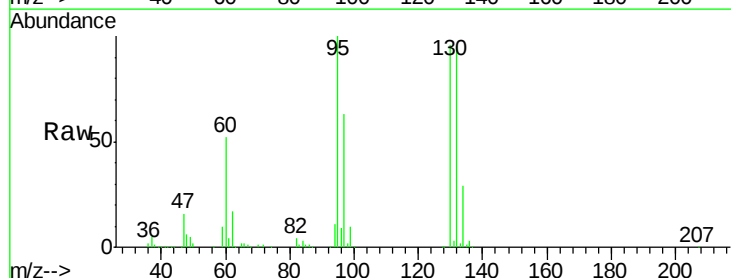
RT: 9.09 min Scan# 1179

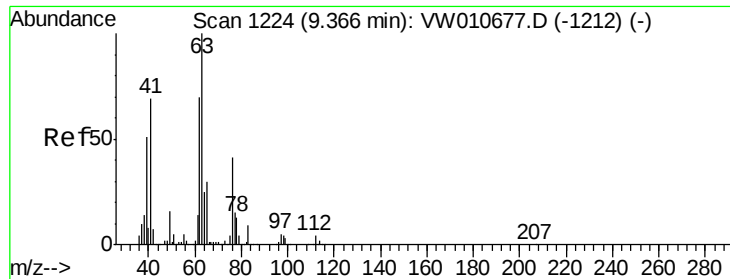
Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tgt Ion:	130	Resp:	152836
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	207.0





#45
 1,2-Dichloropropane
 Concen: 53.763 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

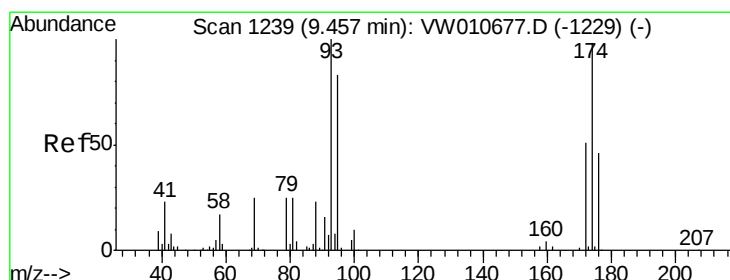
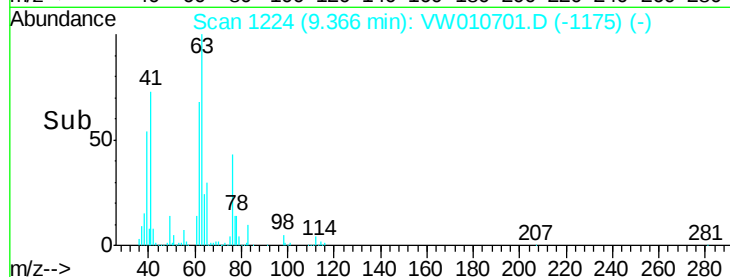
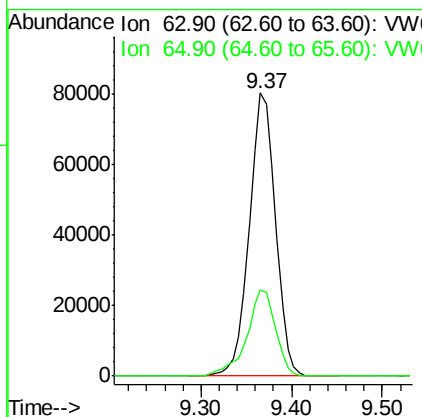
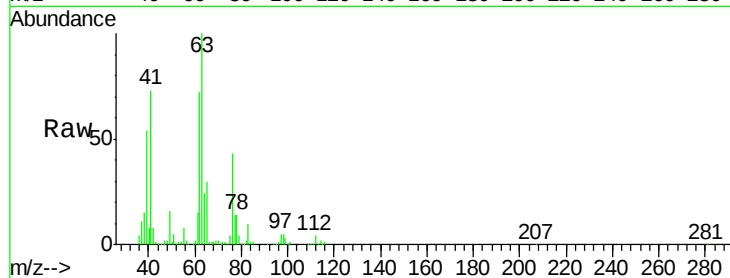
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.8	35.6

Manual Integrations
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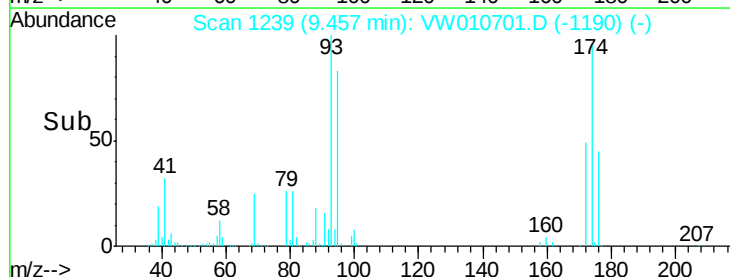
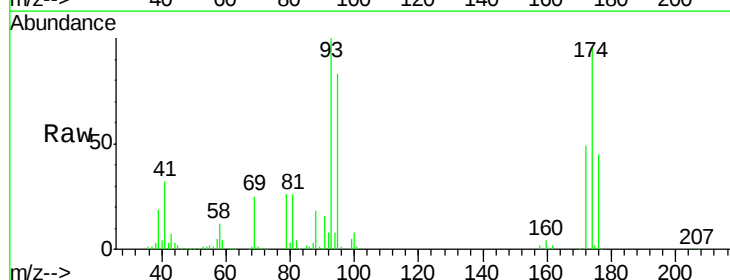
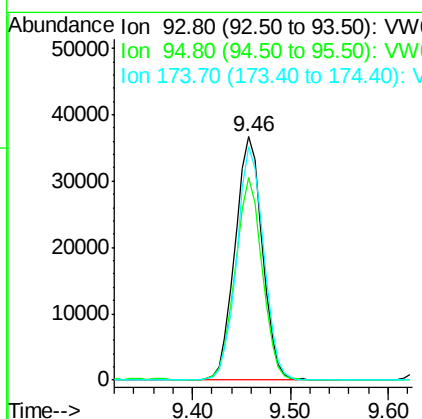
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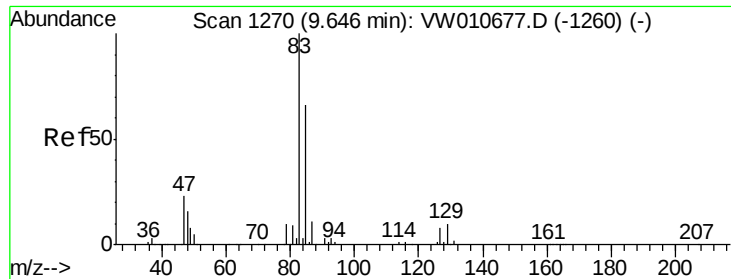
6/7/2019 11:24:40 AM



#46
 Dibromomethane
 Concen: 51.318 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.8
174	94.2	77.4	116.0





#47
Bromodichloromethane
Concen: 54.486 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

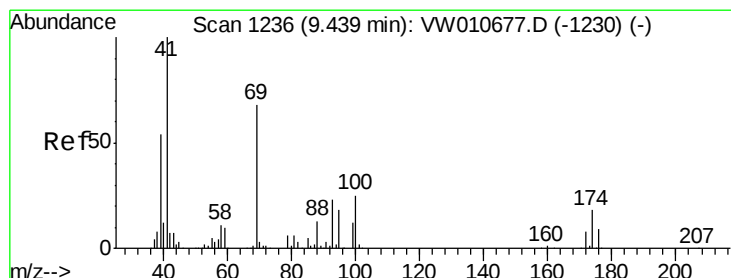
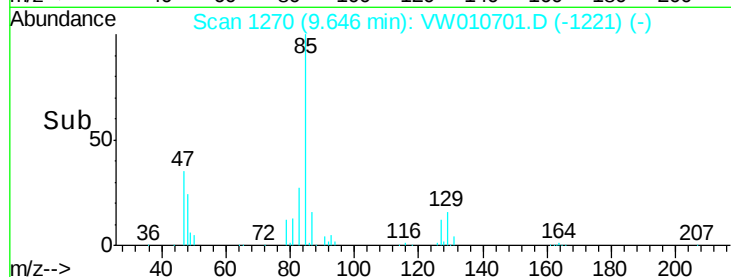
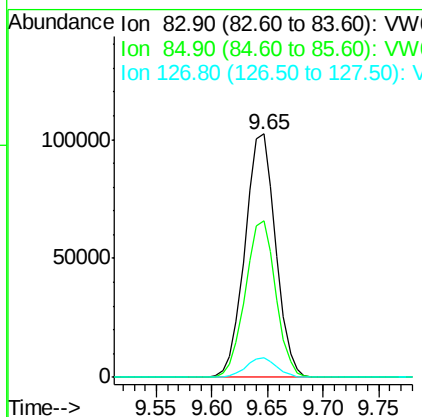
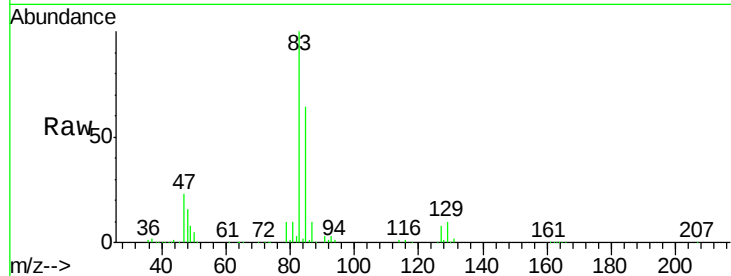
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	196388
Ion Ratio	100	Lower	Upper
85	64.1	53.0	79.4
127	7.9	6.4	9.6

Manual Integrations
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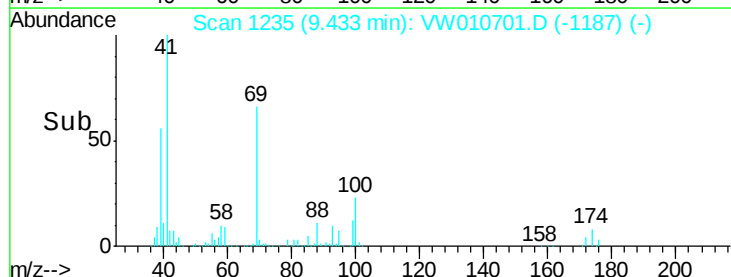
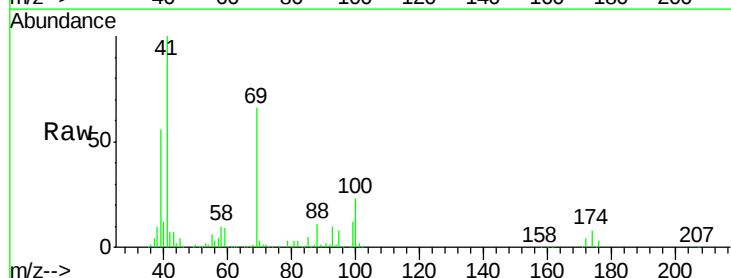
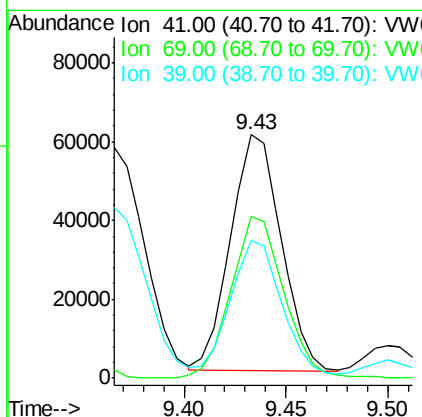
MMDadoda

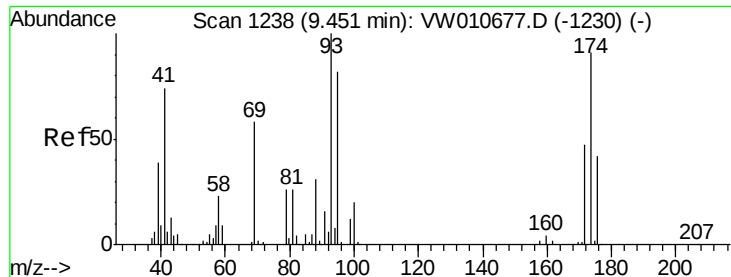
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#48
Methyl methacrylate
Concen: 48.325 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	41	Resp	103404
Ion Ratio	100	Lower	Upper
69	71.4	56.6	85.0
39	56.7	44.4	66.6





#49
1,4-Dioxane
Concen: 980.236 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

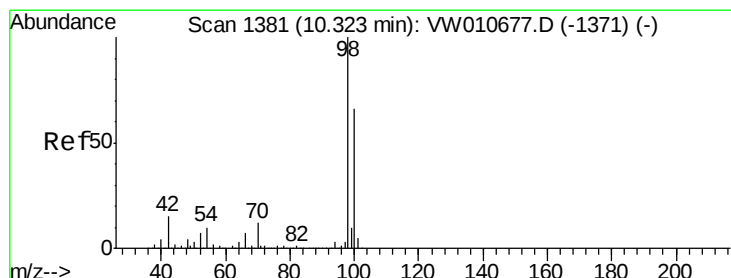
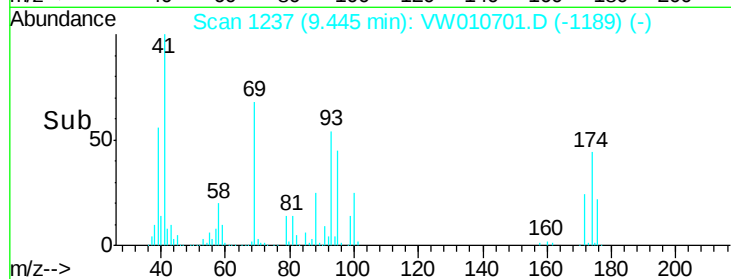
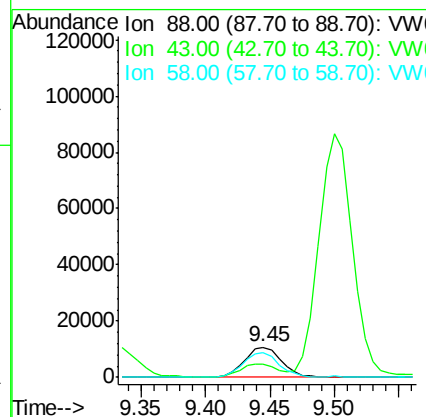
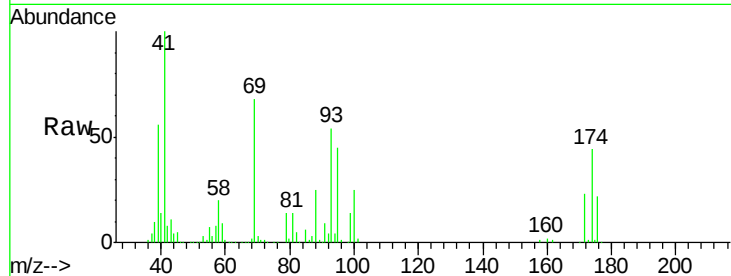
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	21310
Ion Ratio	Lower	Upper	
88	100		
43	44.6	34.2	51.4
58	81.8	69.0	103.4

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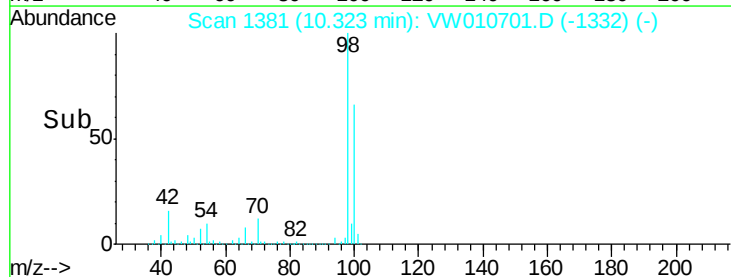
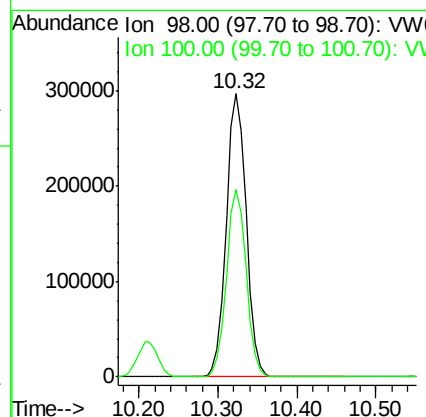
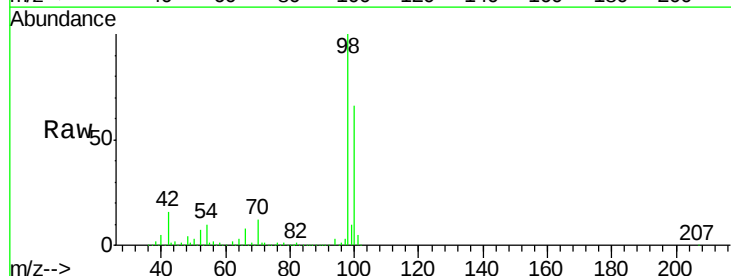
MMDadoda

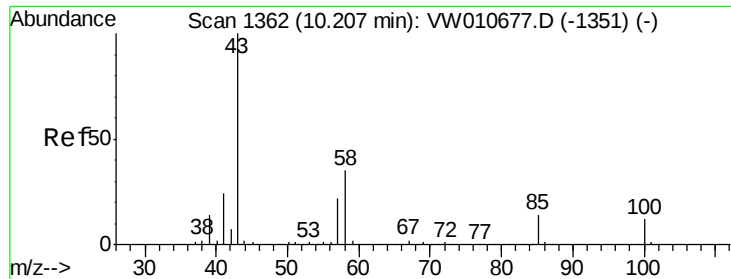
6/7/2019 11:24:40 AM



#50
Toluene-d8
Concen: 54.055 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	98	Resp	521049
Ion Ratio	Lower	Upper	
98	100		
100	65.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 237.824 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 539211

Ion Ratio Lower Upper

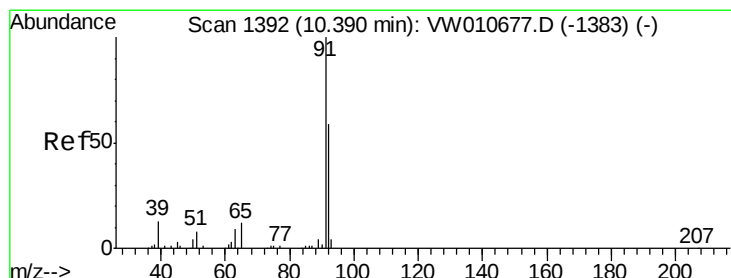
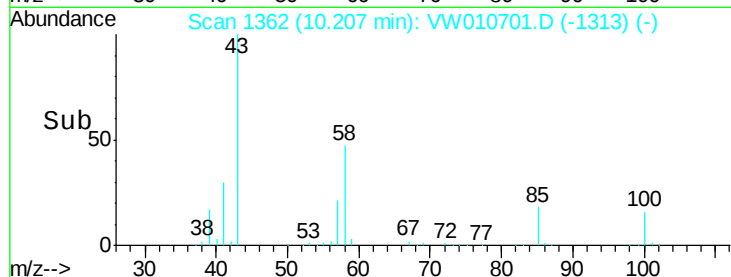
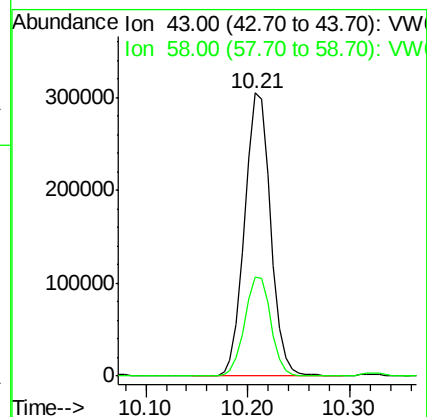
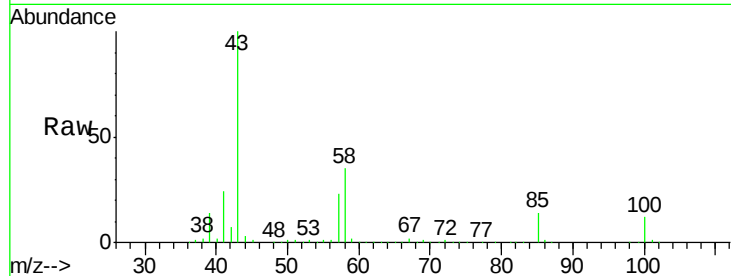
43 100

58 35.3 28.4 42.6

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#52

Toluene

Concen: 54.746 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010701.D

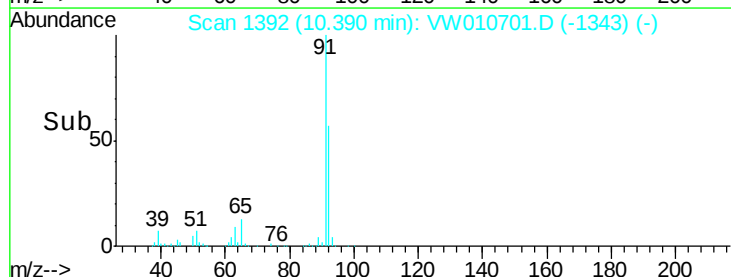
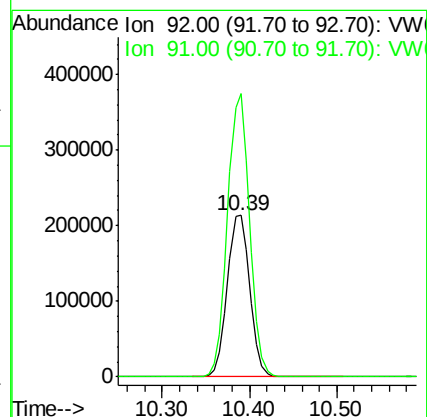
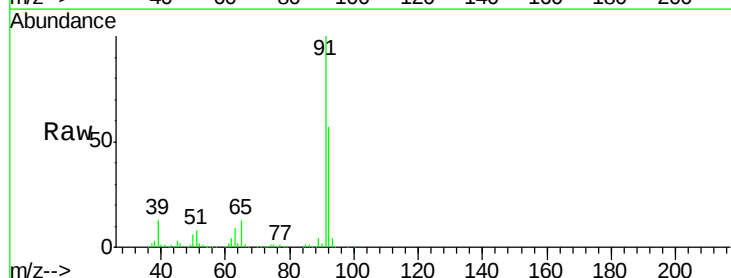
Acq: 06 Jun 2019 10:55

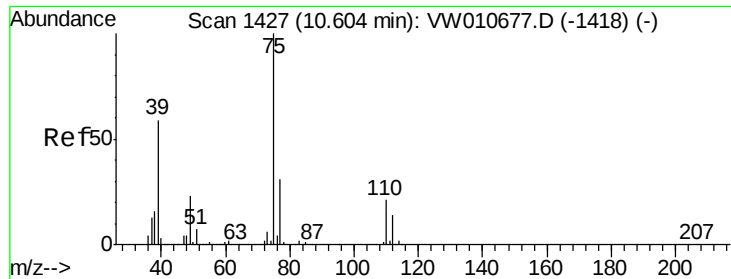
Tgt Ion: 92 Resp: 380939

Ion Ratio Lower Upper

92 100

91 171.5 134.9 202.3





#53
t-1,3-Dichloropropene
Concen: 54.163 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

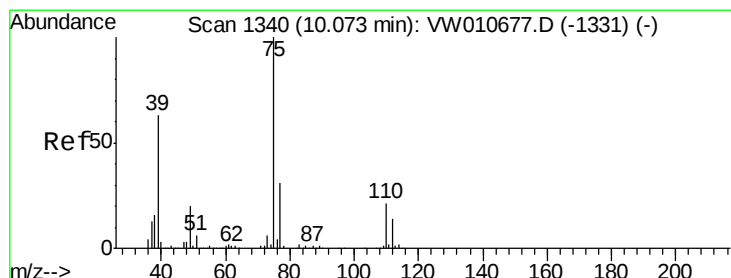
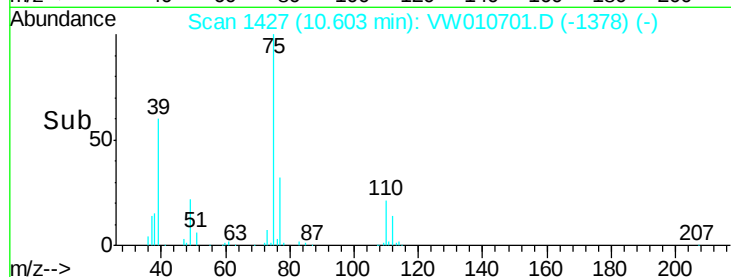
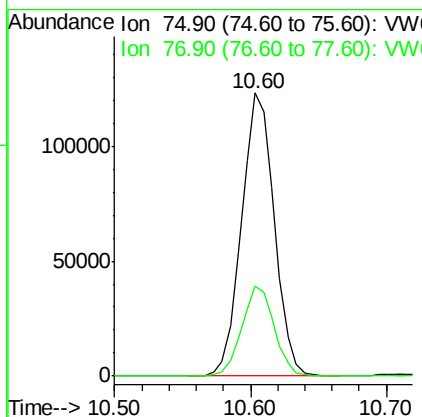
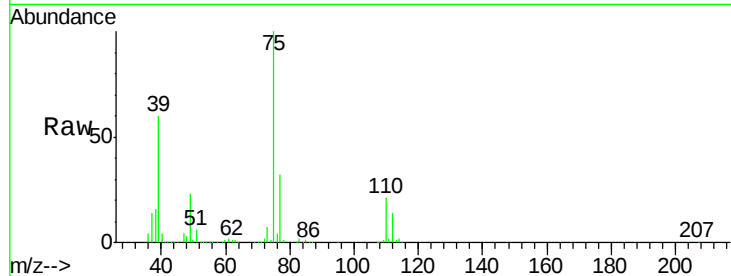
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8

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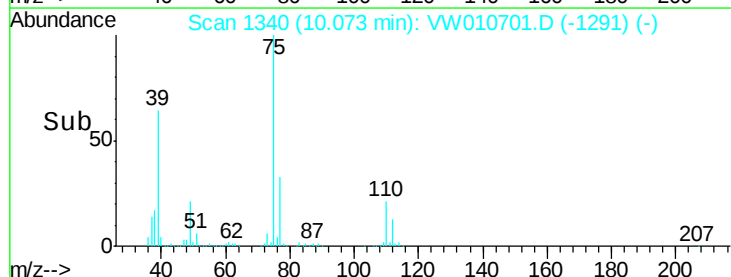
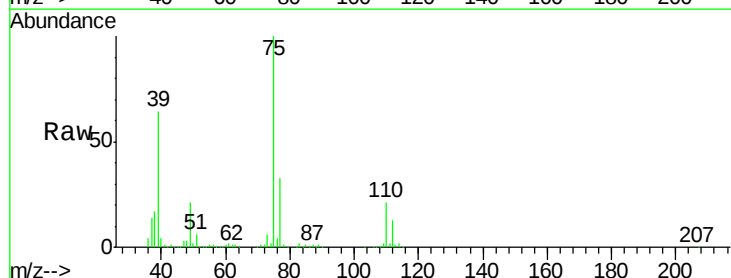
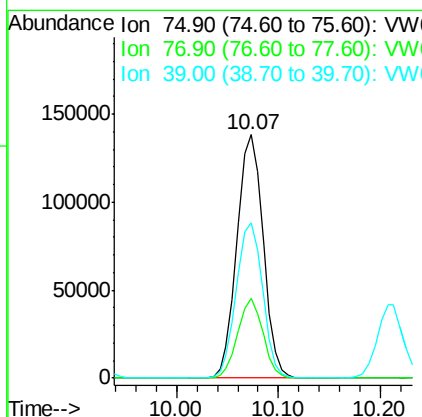
MMDadoda

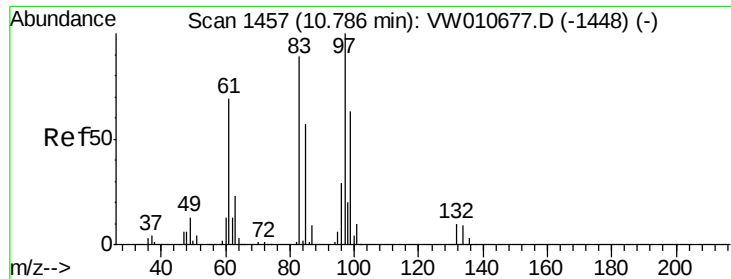
6/7/2019 11:24:40 AM



#54
cis-1,3-Dichloropropene
Concen: 54.810 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8
39	63.9	50.1	75.1





#55
 1,1,2-Trichloroethane
 Concen: 50.264 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

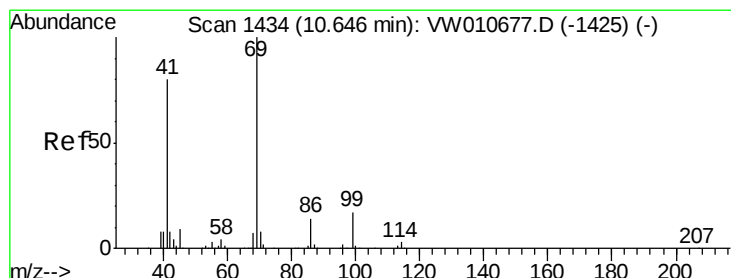
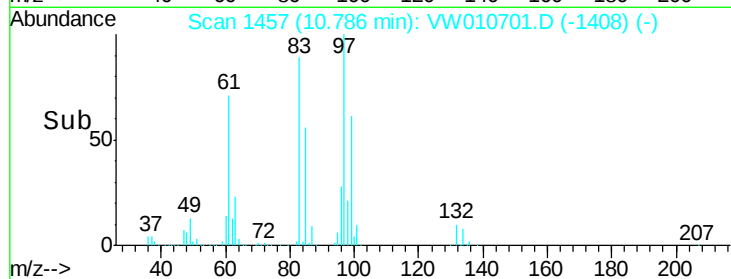
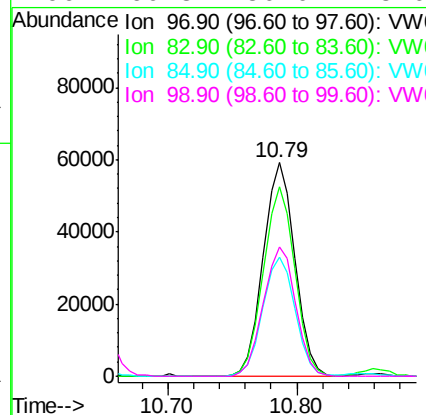
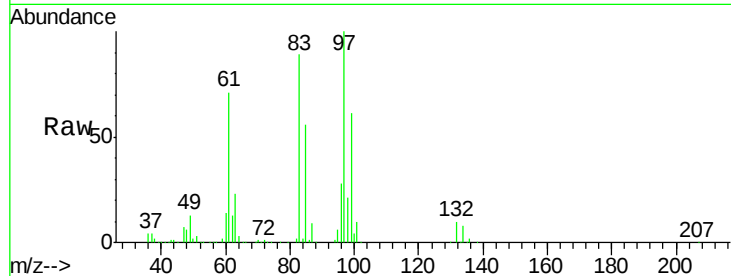
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	100686
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.1	106.7
85	55.9	45.2	67.8
99	60.8	50.0	75.0

Manual Integrations
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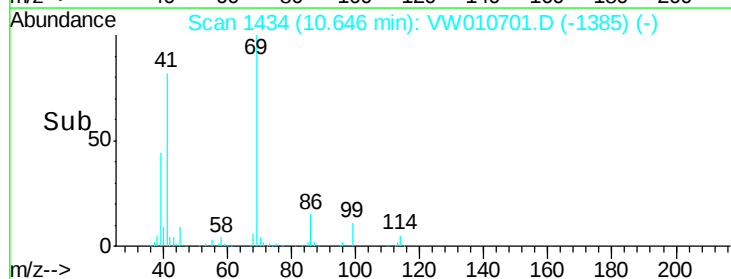
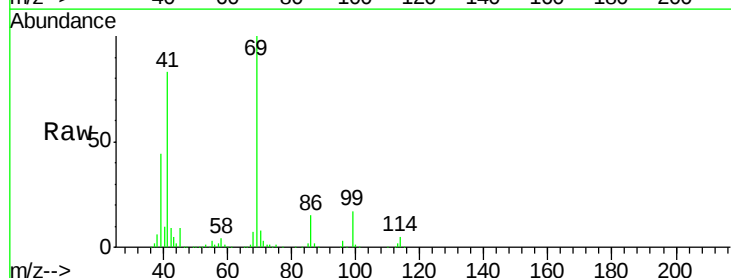
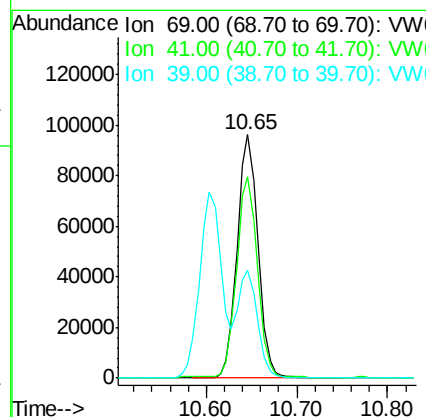
MMDadoda

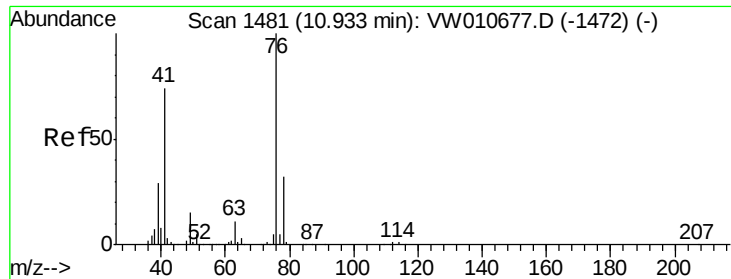
6/7/2019 11:24:40 AM



#56
 Ethyl methacrylate
 Concen: 49.892 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

Tgt Ion:	69	Resp:	153781
Ion	Ratio	Lower	Upper
69	100		
41	82.0	64.8	97.2
39	41.1	32.2	48.2





#57
 1,3-Dichloropropane
 Concen: 50.994 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

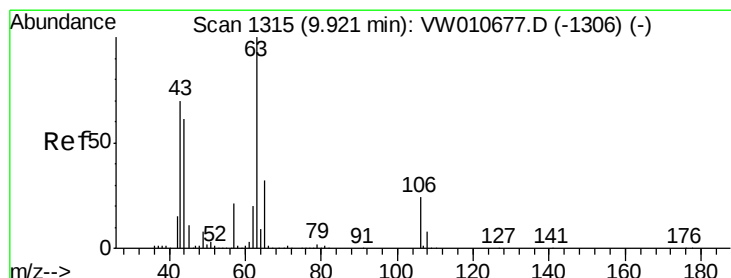
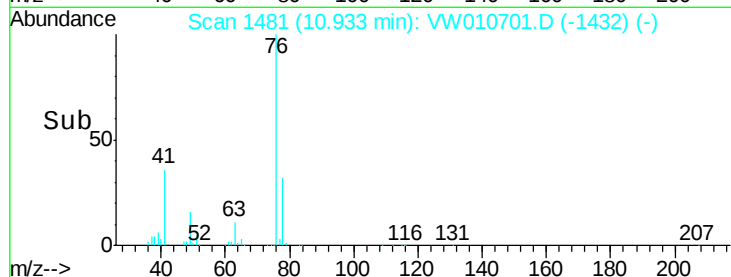
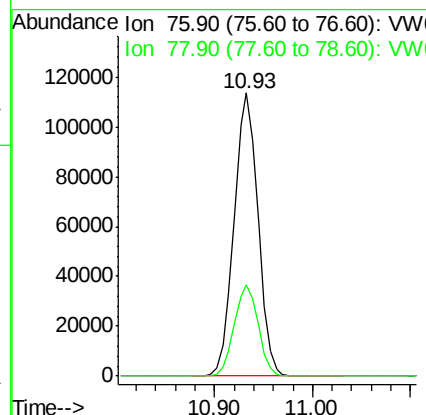
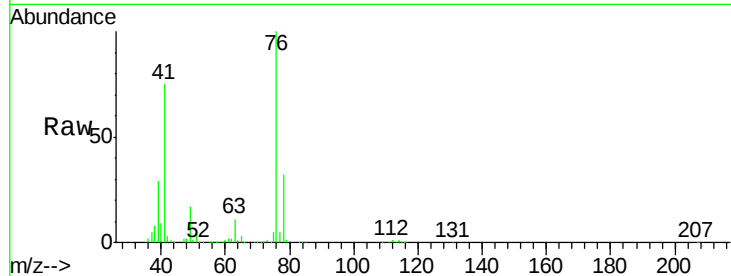
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

Manual Integrations
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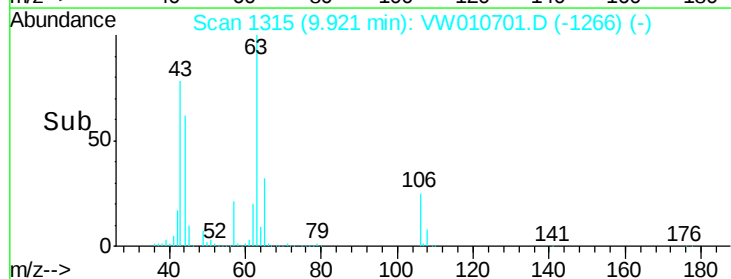
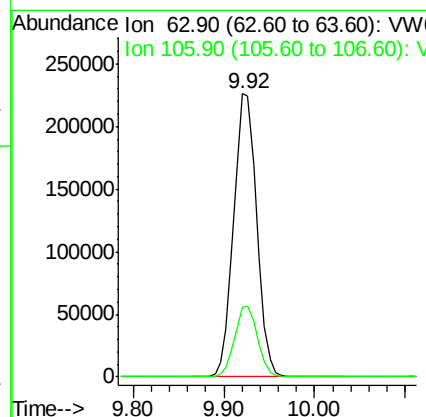
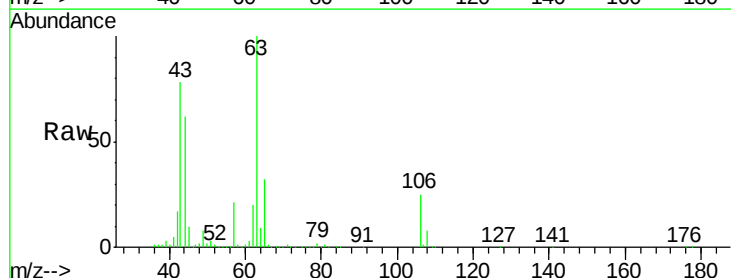
MMDadoda

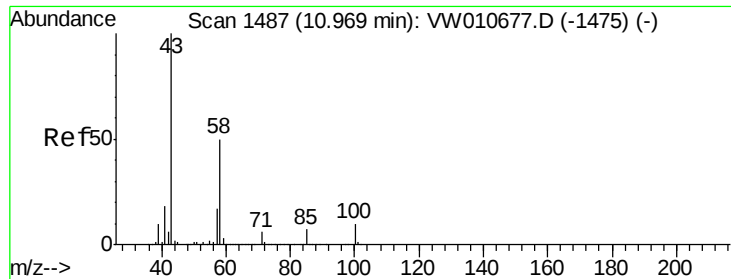
6/7/2019 11:24:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.260 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.1	30.1





#59
2-Hexanone
Concen: 245.309 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

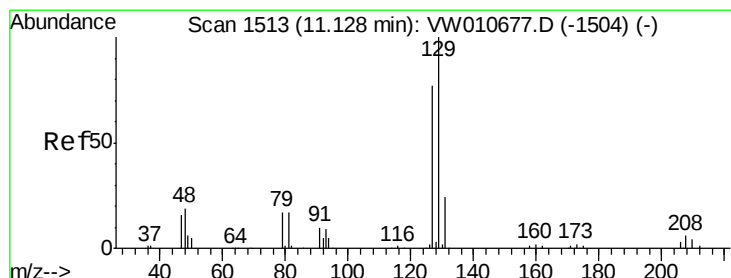
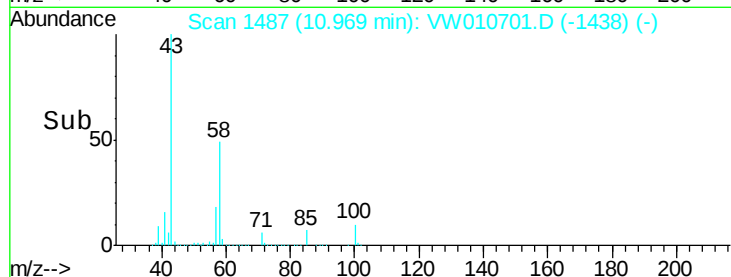
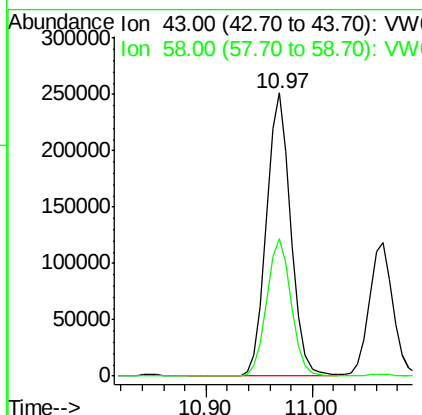
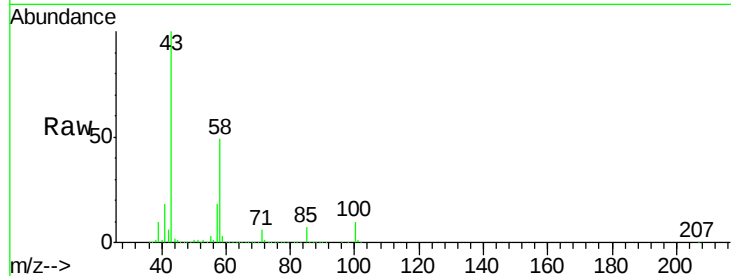
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 401964
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

Manual Integrations
APPROVED

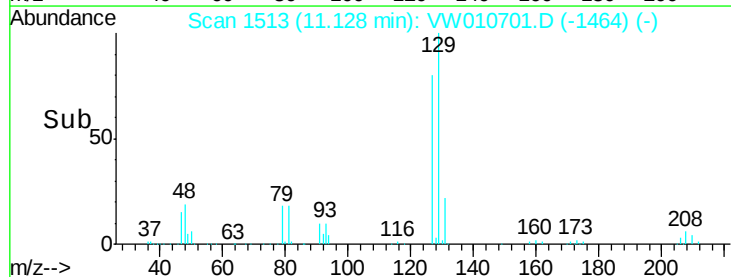
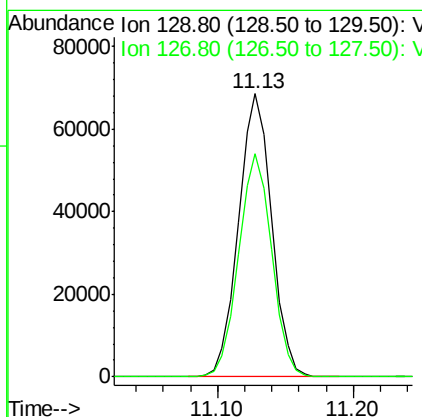
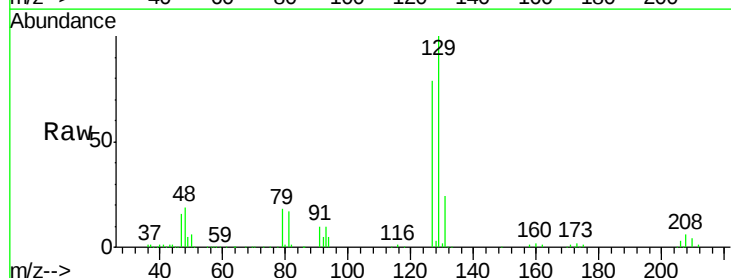
MMDadoda

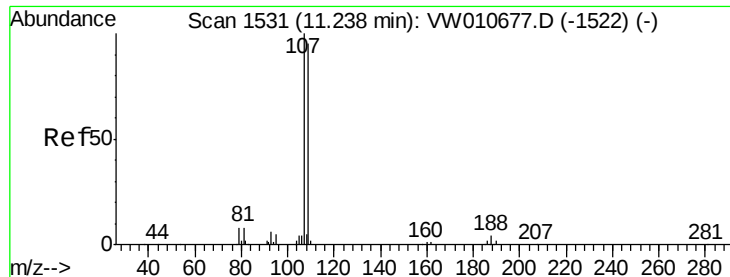
6/7/2019 11:24:40 AM



#60
Dibromochloromethane
Concen: 52.576 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion: 129 Resp: 116748
Ion Ratio Lower Upper
129 100
127 78.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.859 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 94627

Ion Ratio Lower Upper

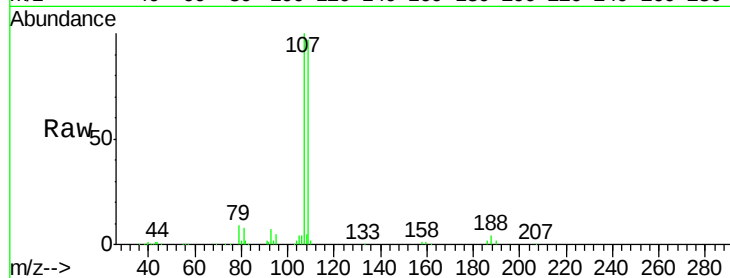
107 100

109 95.6 75.8 113.8

Manual Integrations
APPROVED

MMDadoda

6/7/2019 11:24:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

50000

40000

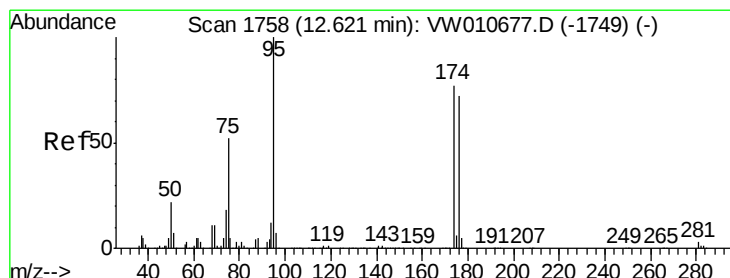
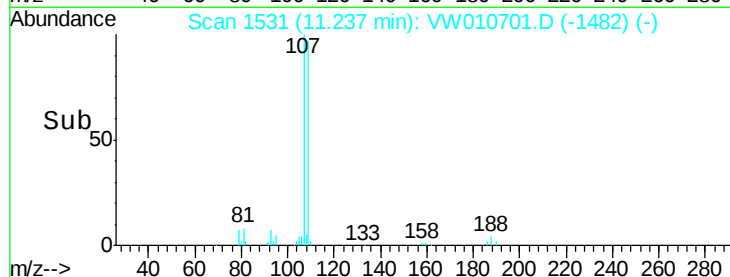
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.580 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

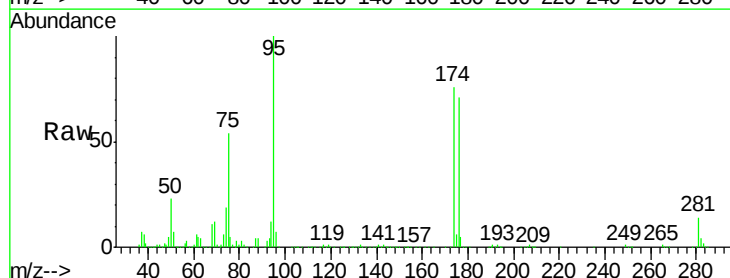
Tgt Ion: 95 Resp: 187937

Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.4

176 71.3 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

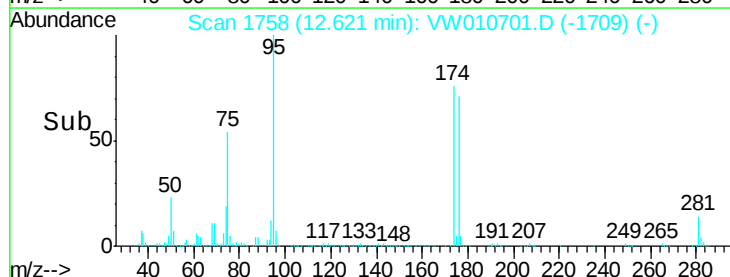
150000

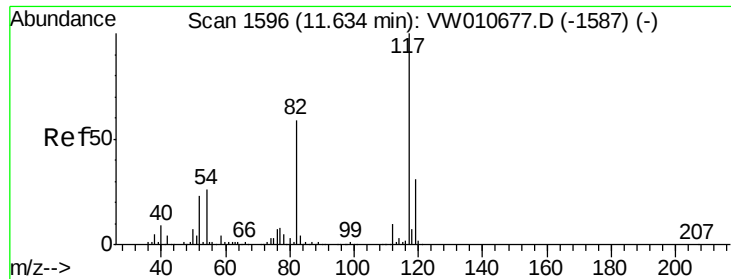
100000

50000

0

Time-->





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

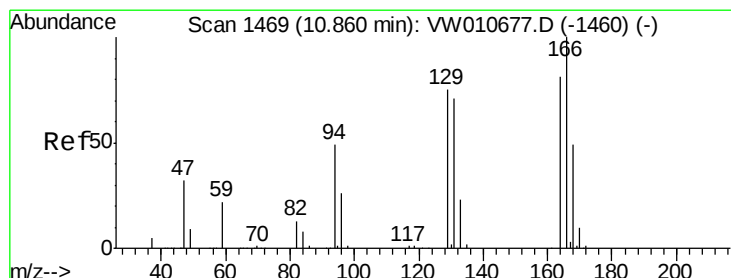
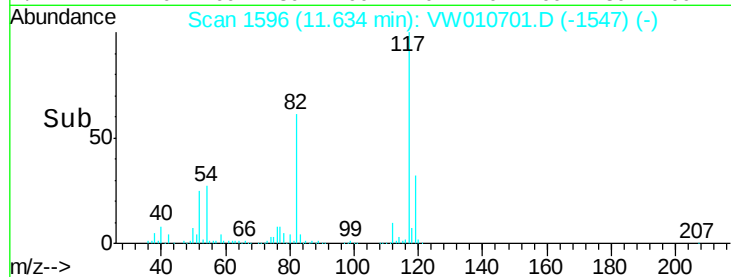
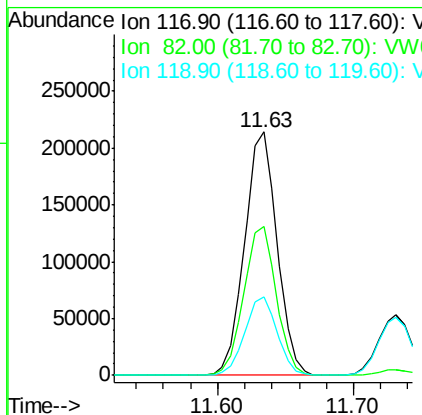
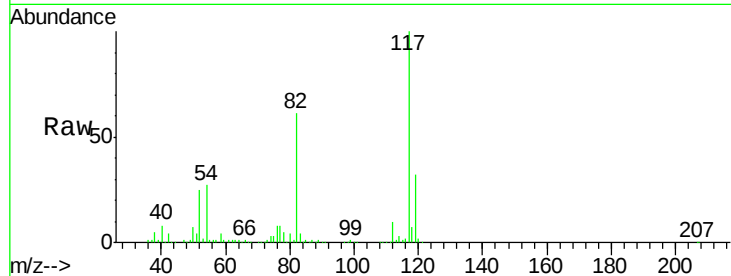
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	358376		
82	61.2	47.0	70.4	
119	32.0	25.1	37.7	

Manual Integrations
APPROVED

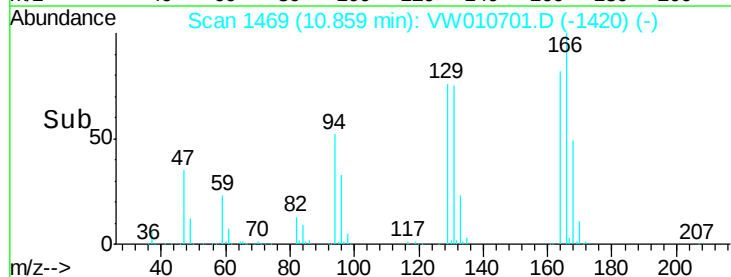
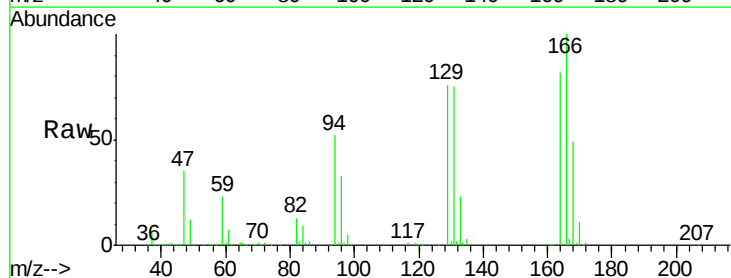
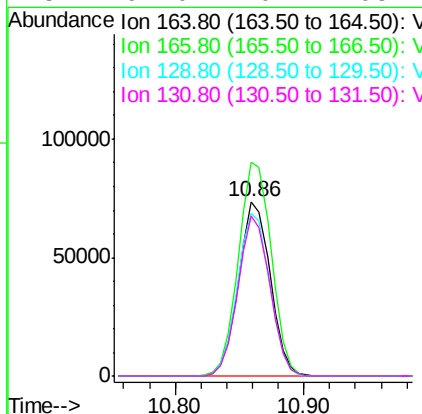
MMDadoda

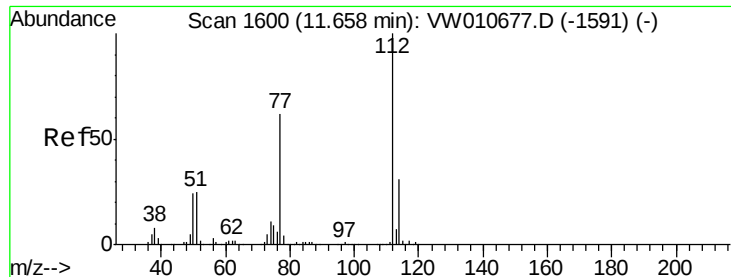
6/7/2019 11:24:40 AM



#64
Tetrachloroethene
Concen: 52.764 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125550		
166	122.4	99.2	148.8	
129	93.1	74.6	112.0	
131	92.0	70.2	105.4	





#65
Chlorobenzene
Concen: 54.047 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

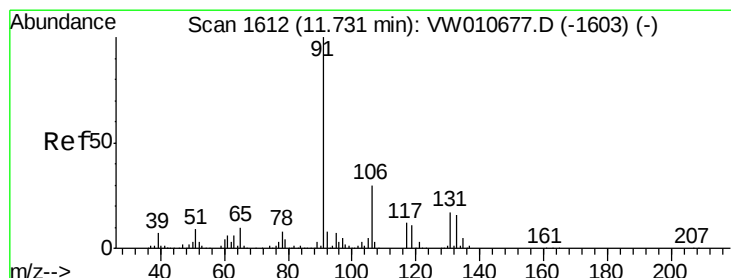
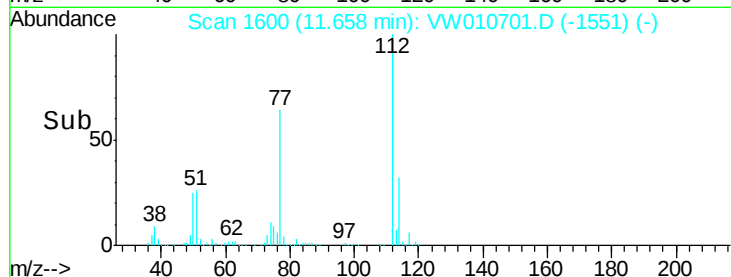
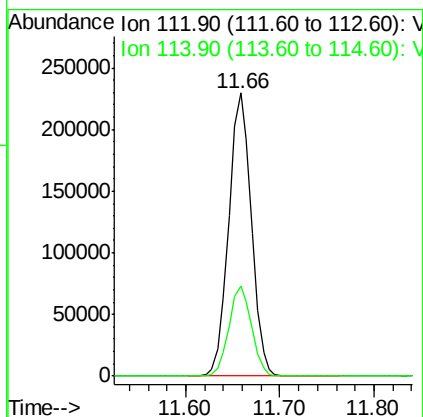
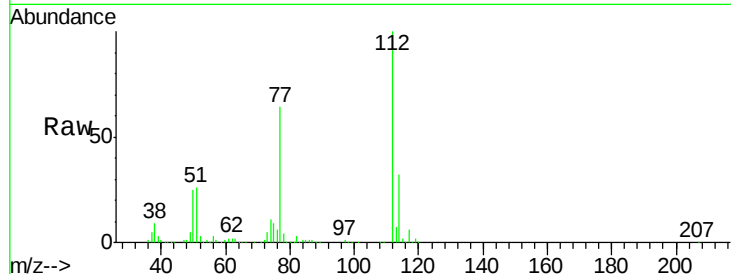
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	24.8	37.2

Manual Integrations
APPROVED

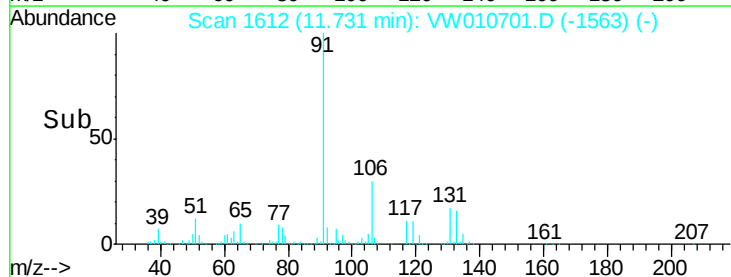
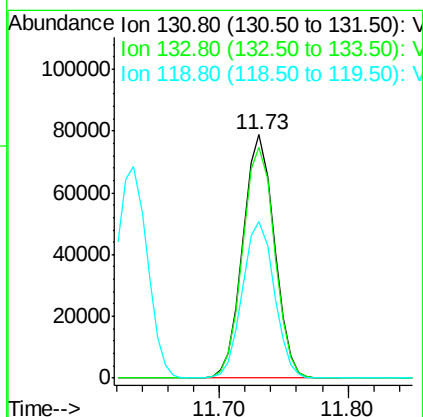
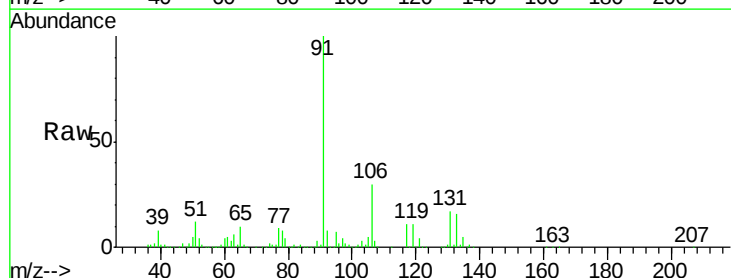
MMDadoda

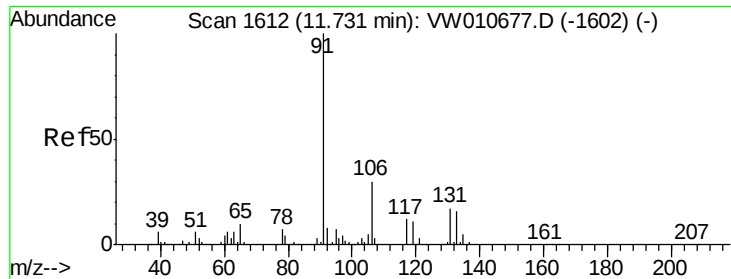
6/7/2019 11:24:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.568 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.9
119	65.0	32.4	97.0





#67
Ethyl Benzene
Concen: 55.291 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

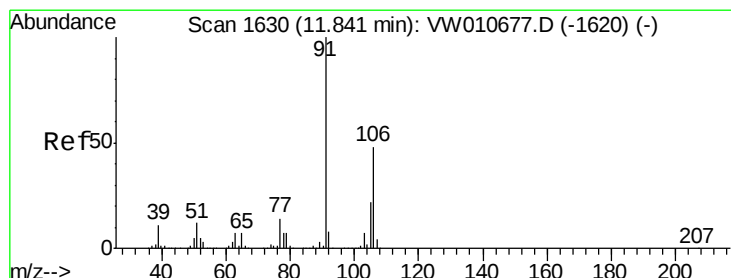
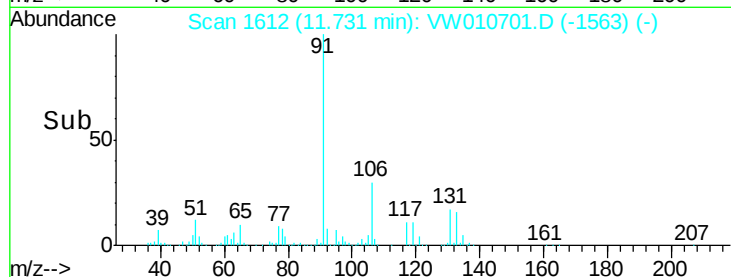
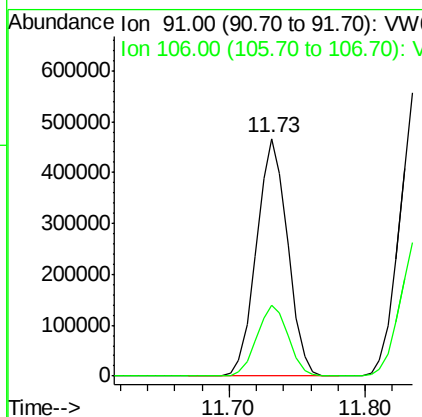
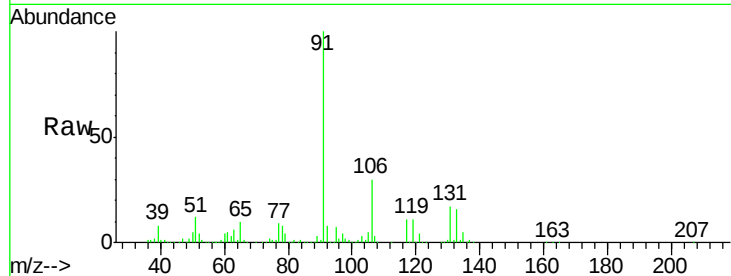
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 748870
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.4

Manual Integrations
APPROVED

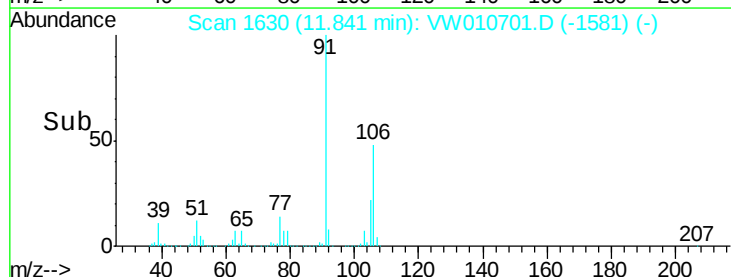
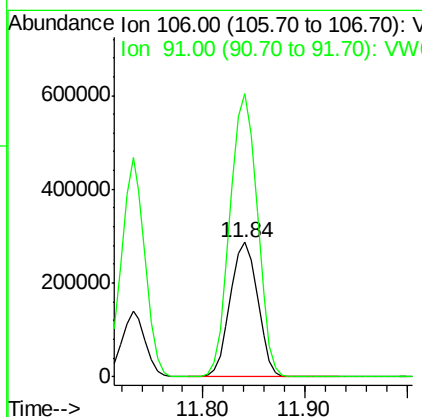
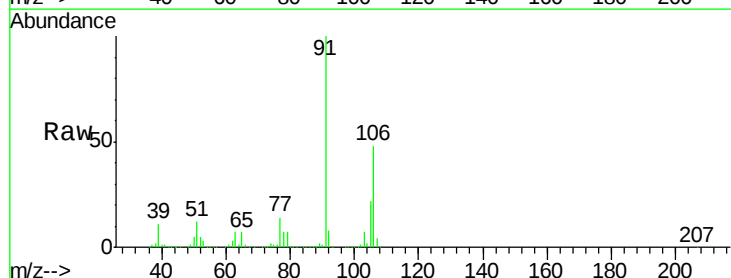
MMDadoda

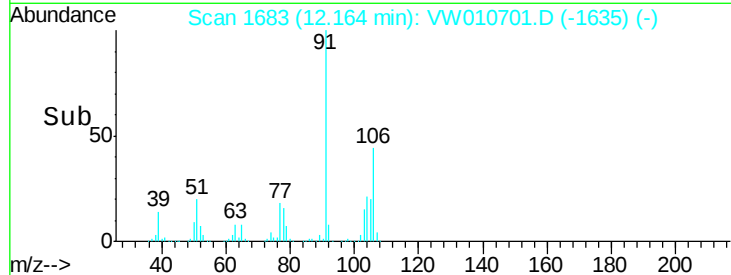
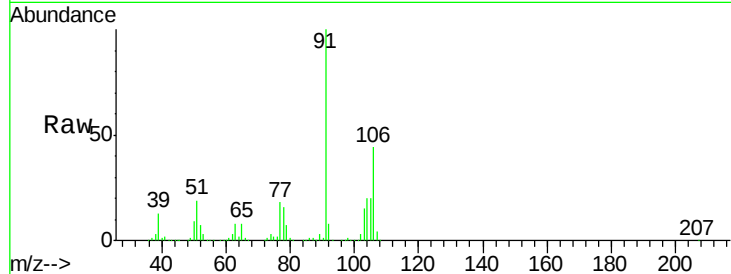
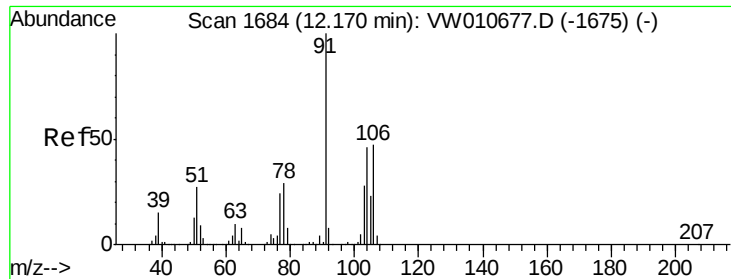
6/7/2019 11:24:40 AM



#68
m/p-Xylenes
Concen: 110.654 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion: 106 Resp: 536497
Ion Ratio Lower Upper
106 100
91 209.4 166.5 249.7





#69
o-Xylene
Concen: 54.494 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

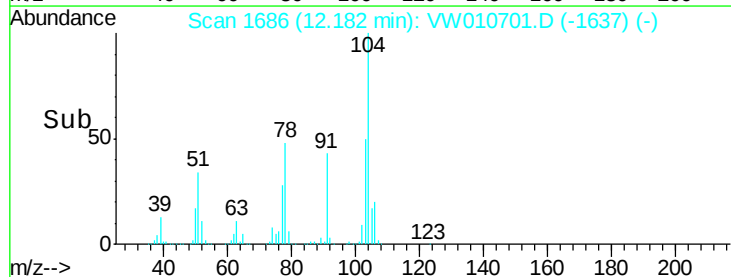
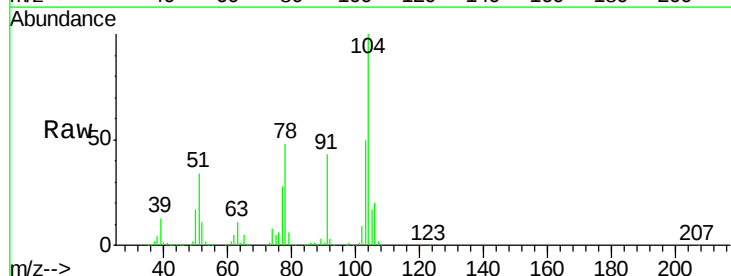
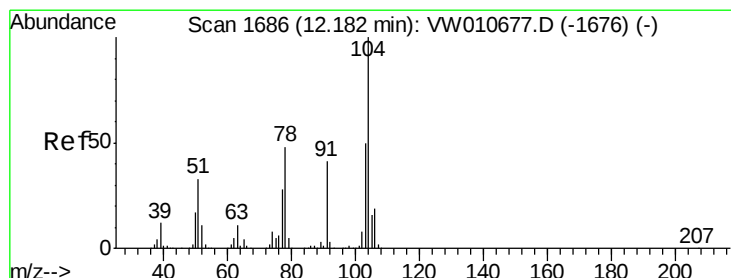
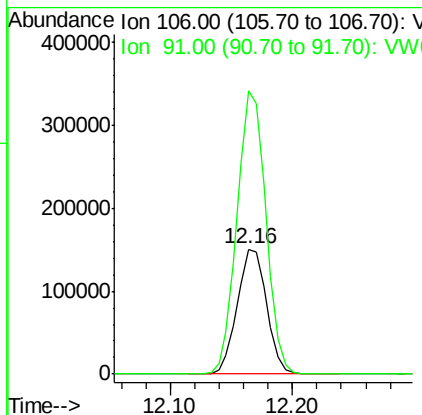
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		250583		
91	222.9	108.9	326.6		

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

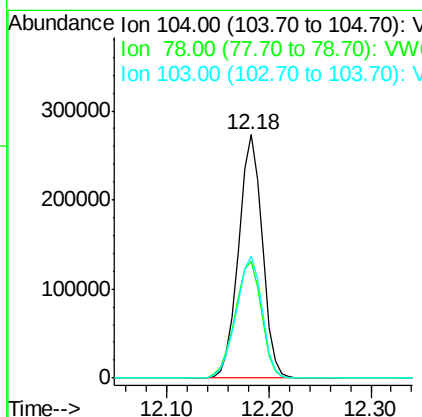
MMDadoda

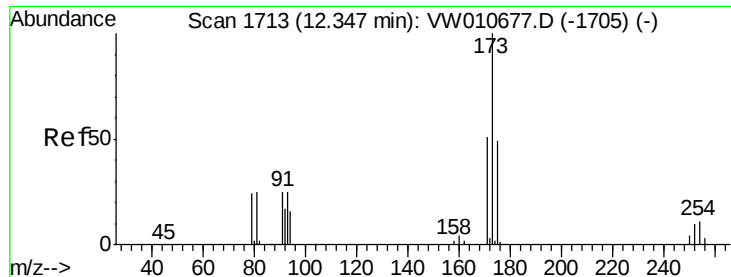
6/7/2019 11:24:40 AM



#70
Styrene
Concen: 54.599 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		436139		
78	53.9	42.7	64.1		
103	54.5	43.6	65.4		





#71

Bromoform

Concen: 51.457 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 64924

Ion Ratio Lower Upper

173 100

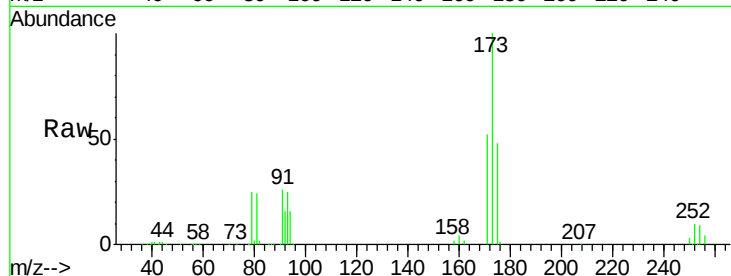
175 48.2 24.3 72.8

254 0.0 0.1 0.1#

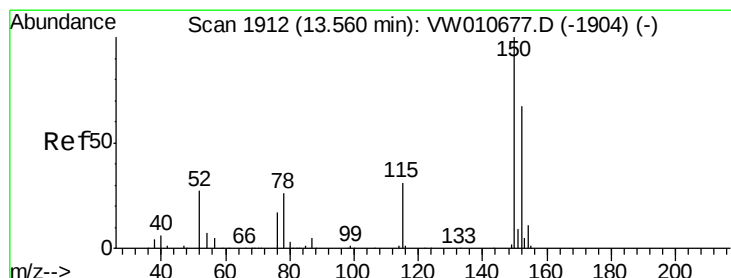
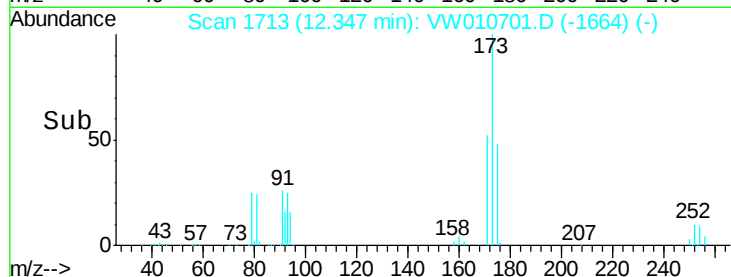
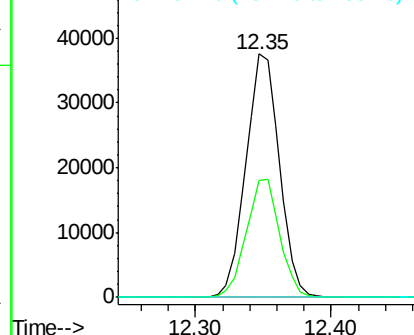
Manual Integrations
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6/7/2019 11:24:40 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

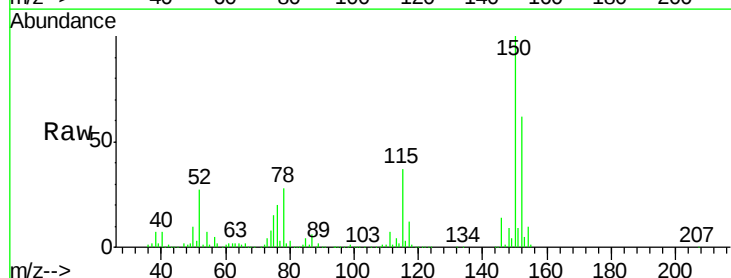
Tgt Ion:152 Resp: 169710

Ion Ratio Lower Upper

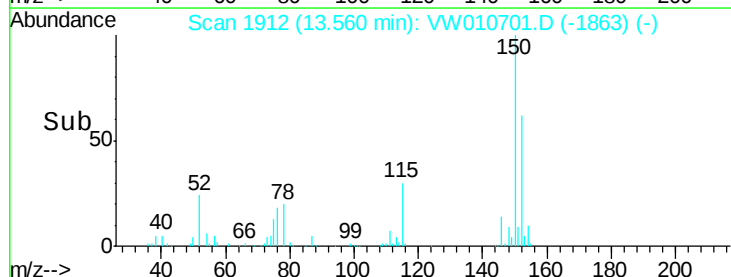
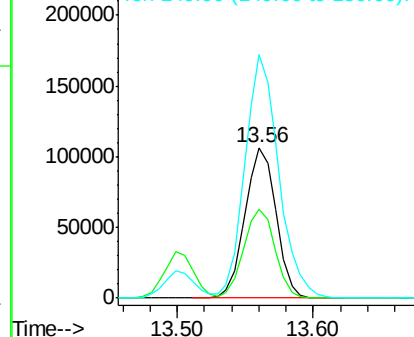
152 100

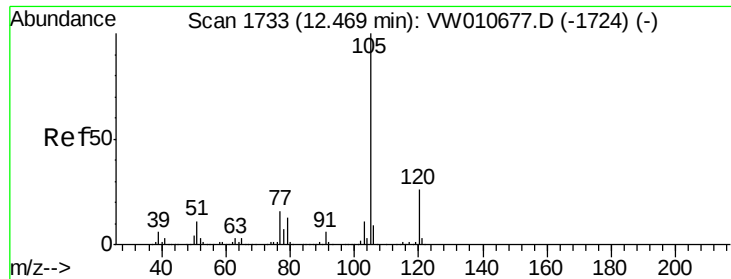
115 59.7 29.8 89.3

150 175.7 0.0 345.0



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: 56.166 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

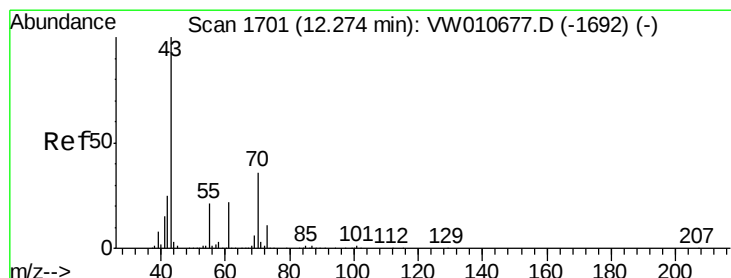
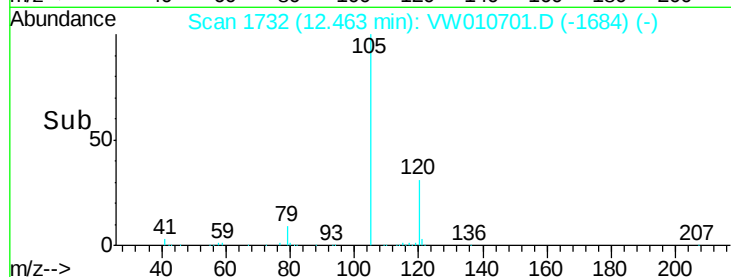
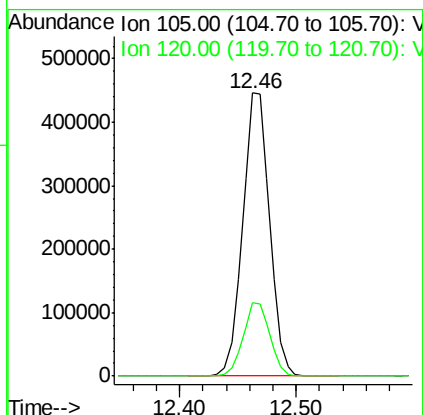
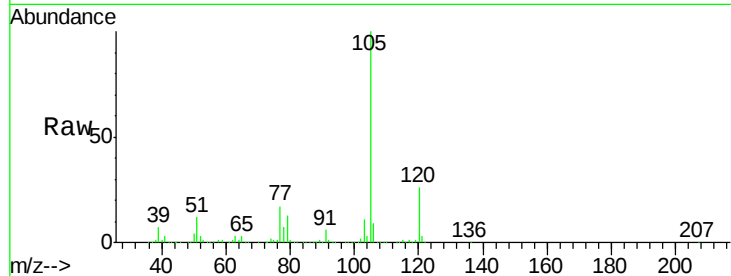
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.1

Manual Integrations
APPROVED

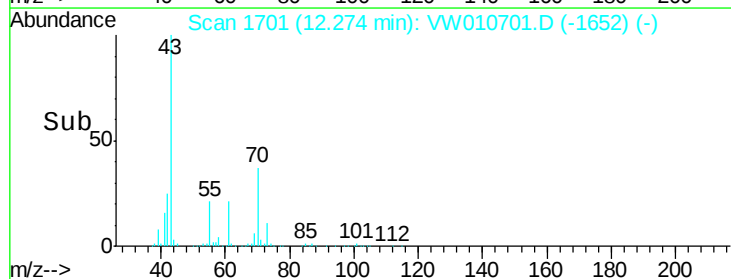
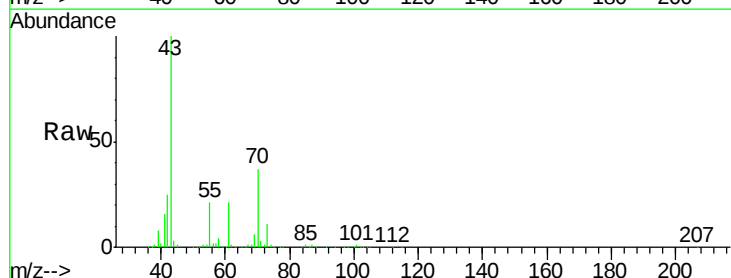
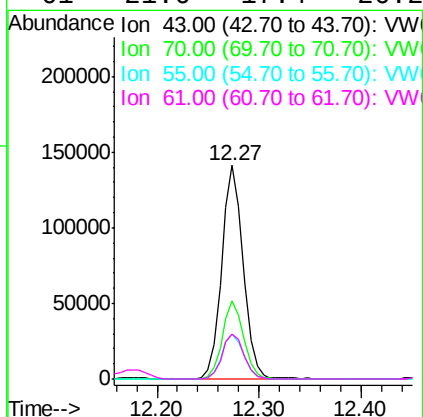
MMDadoda

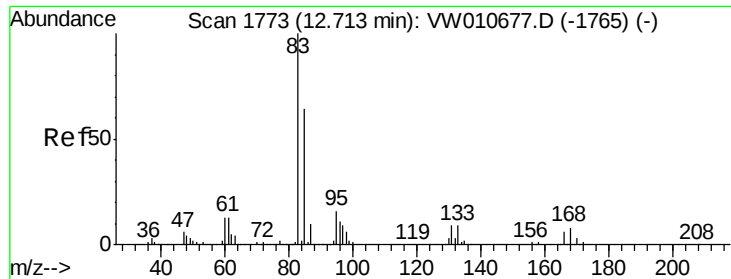
6/7/2019 11:24:40 AM



#74
N-ethyl acetate
Concen: 50.125 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.3	29.2	43.8
55	21.9	17.5	26.3
61	21.6	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.050 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

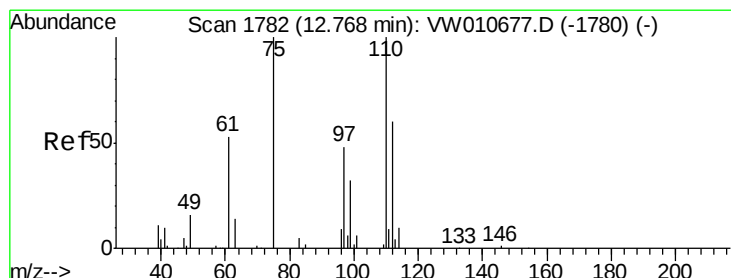
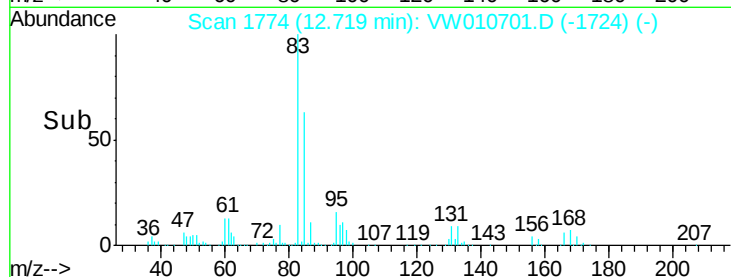
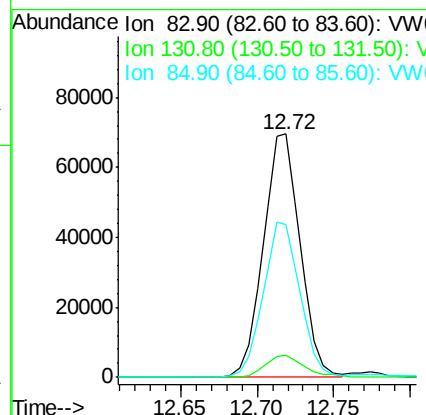
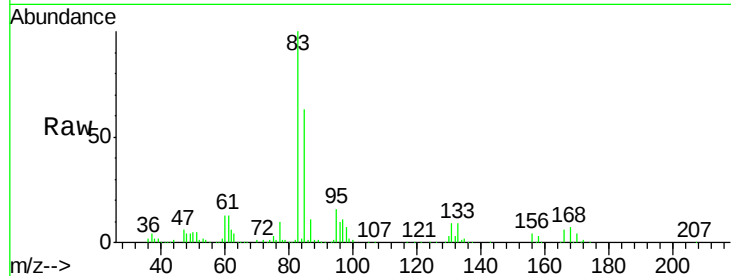
VSTDCCC050

Tot Ion:	83	Resp:	116659
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	63.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.853 ug/l m

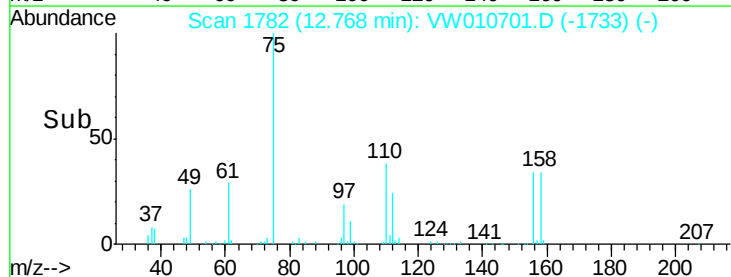
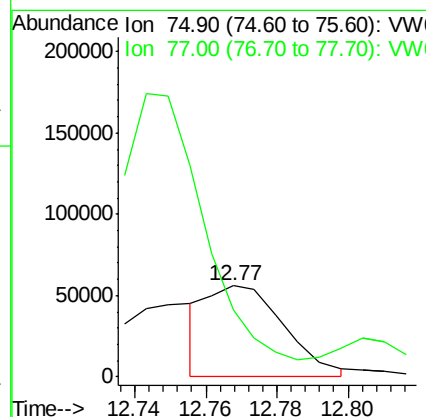
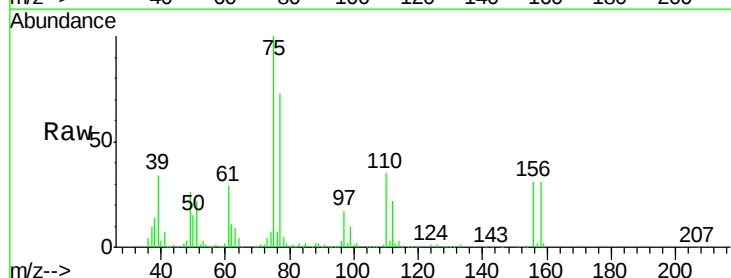
RT: 12.77 min Scan# 1782

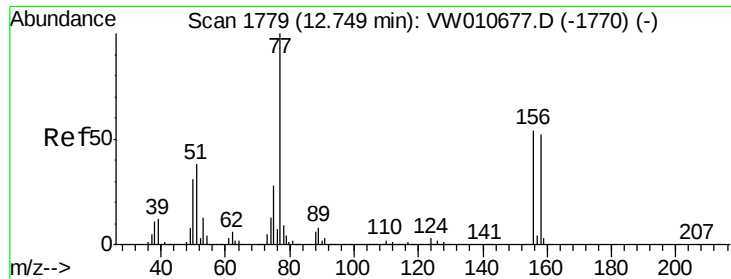
Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tgt Ion:	75	Resp:	85283
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 53.281 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

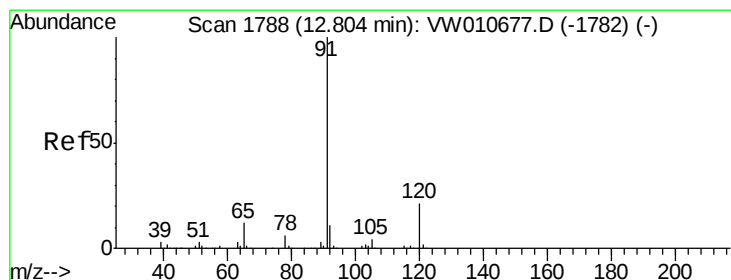
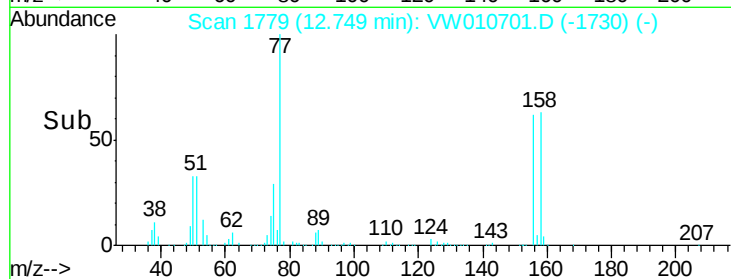
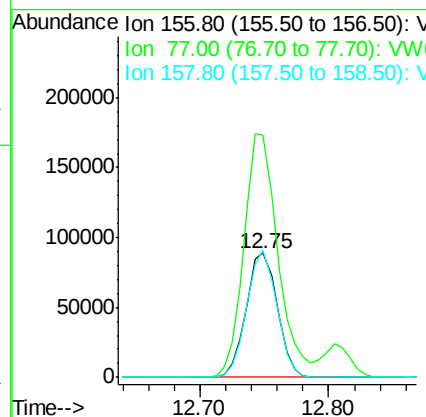
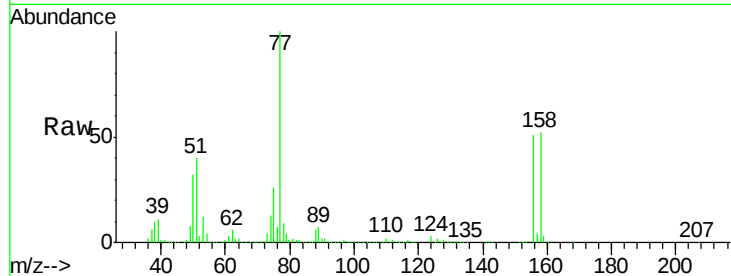
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.5	106.5	319.4
158	98.4	48.3	144.9

Manual Integrations
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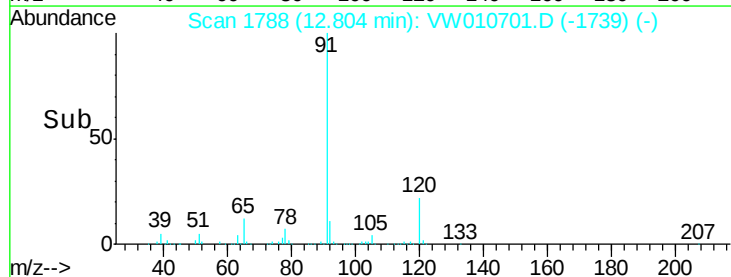
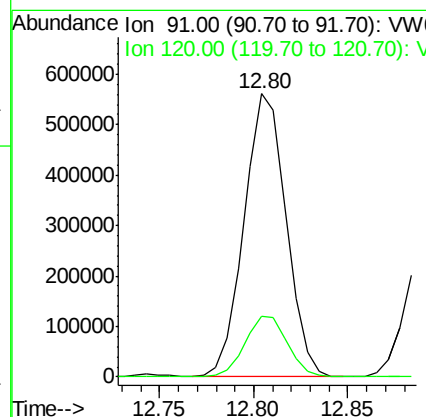
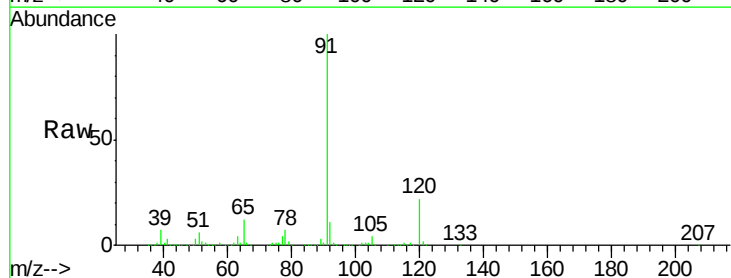
MMDadoda

6/7/2019 11:24:40 AM



#78
n-propylbenzene
Concen: 56.488 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 55.734 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

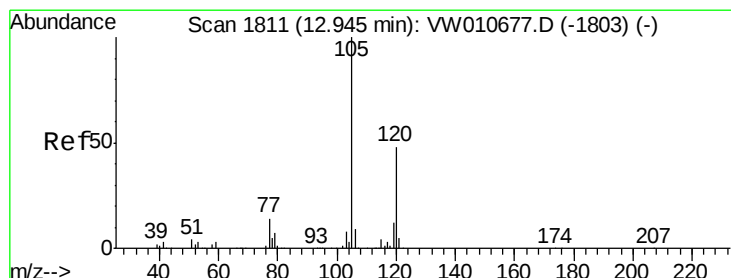
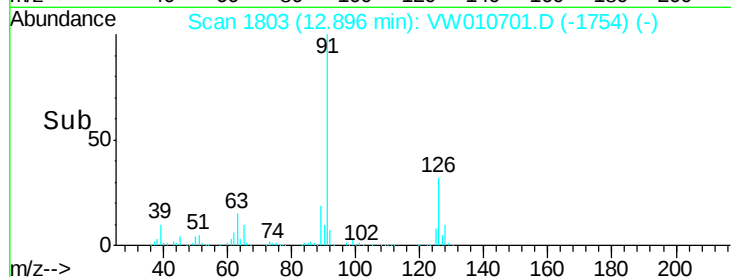
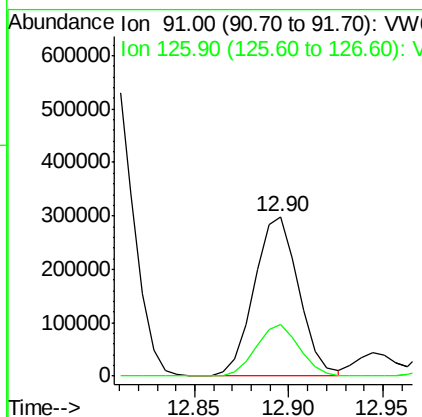
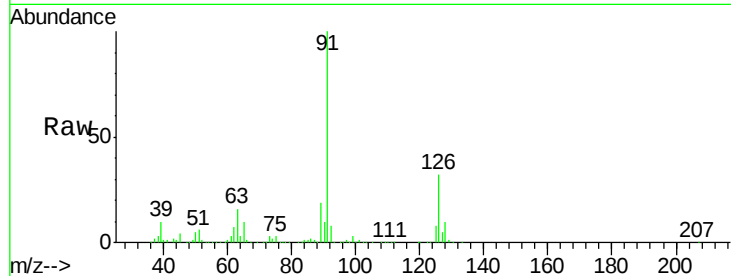
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 489649
Ion Ratio Lower Upper
91 100
126 31.3 15.7 47.0

Manual Integrations
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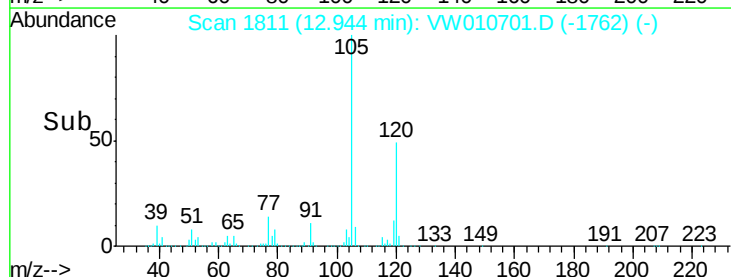
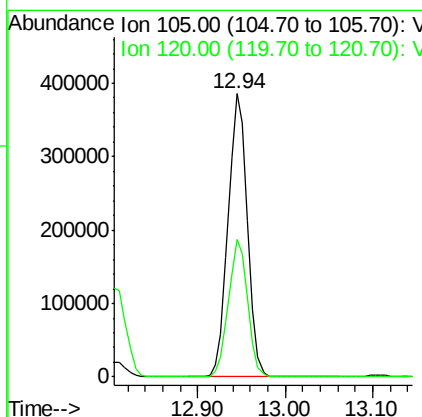
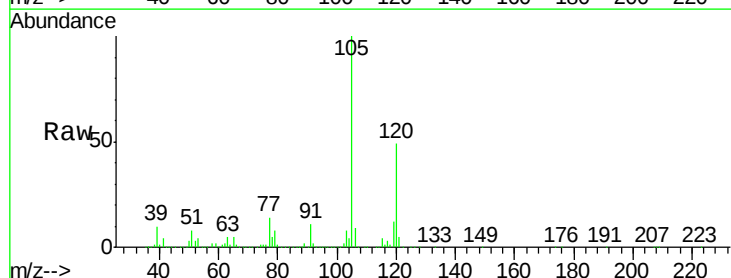
MMDadoda

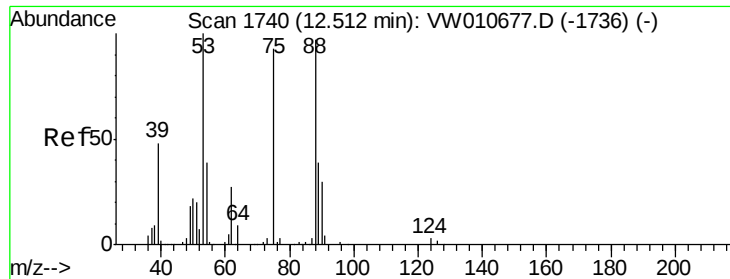
6/7/2019 11:24:40 AM



#80
1,3,5-Trimethylbenzene
Concen: 56.520 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion: 105 Resp: 589987
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.288 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

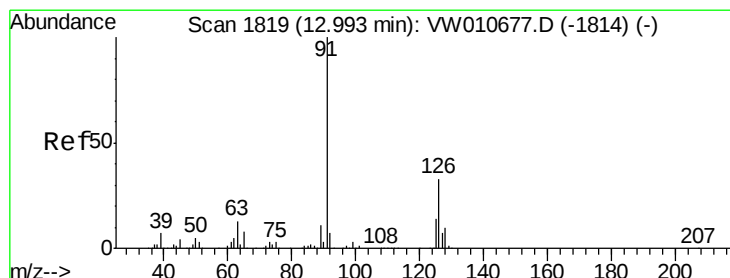
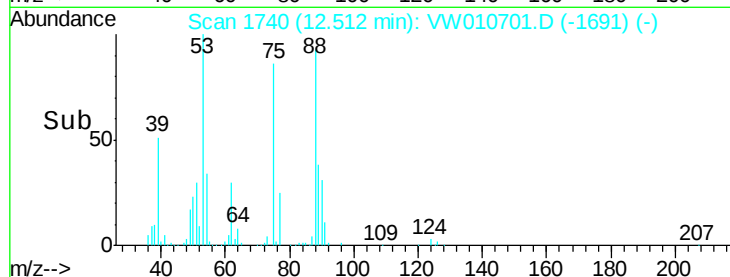
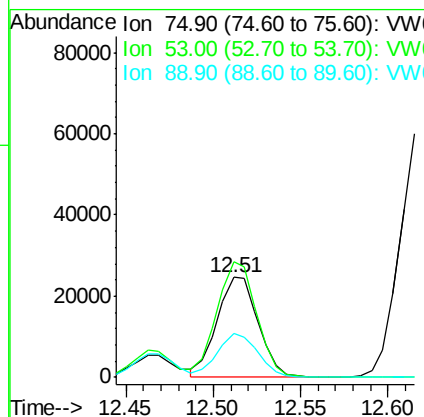
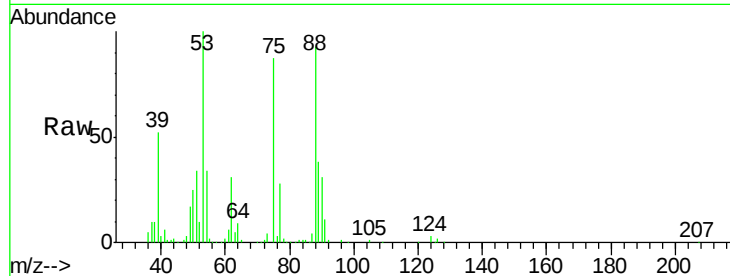
VSTDCCC050

Tot Ion:	75	Resp:	39770
Ion	Ratio	Lower	Upper
75	100		
53	113.6	90.1	135.1
89	43.8	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.754 ug/l

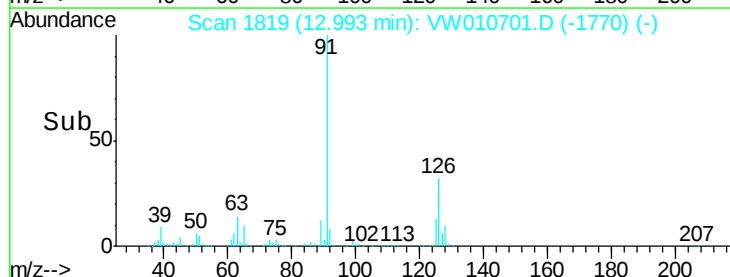
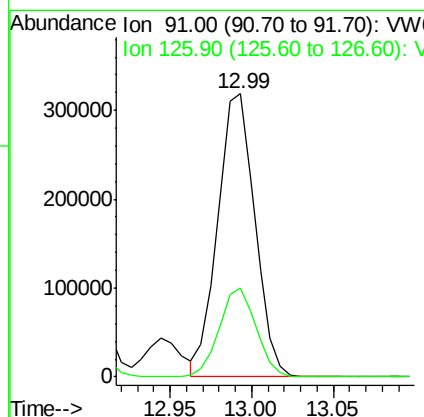
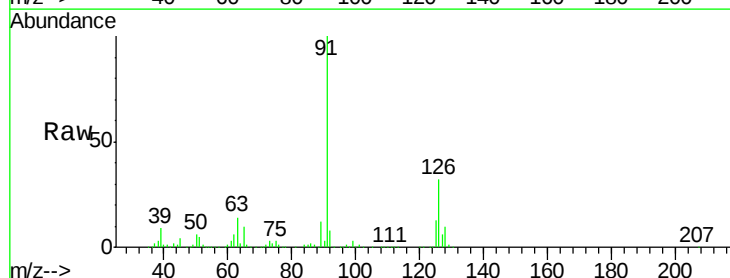
RT: 12.99 min Scan# 1819

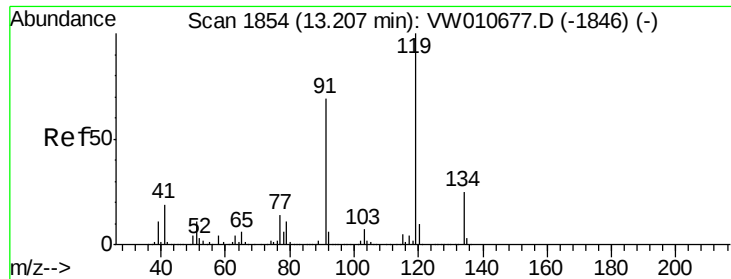
Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tgt Ion:	91	Resp:	505479
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.9	47.7





#83
tert-Butylbenzene
Concen: 56.222 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

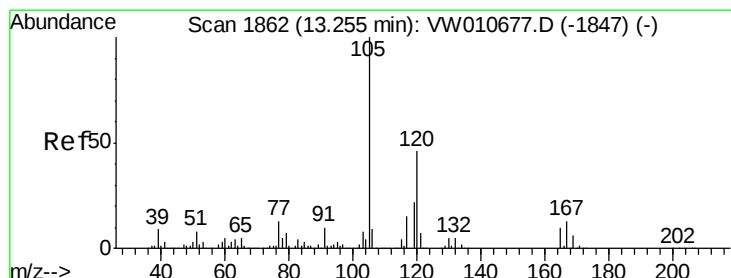
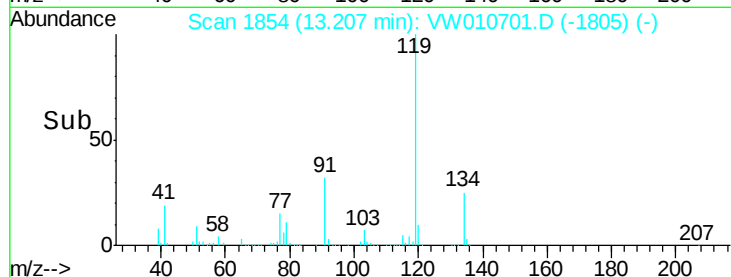
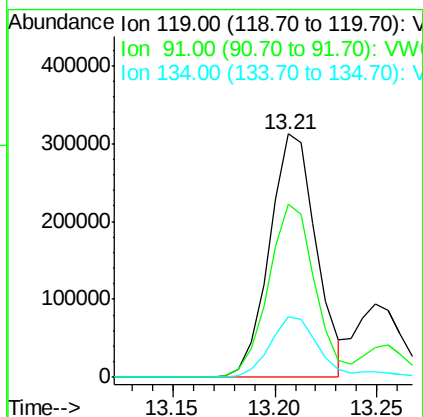
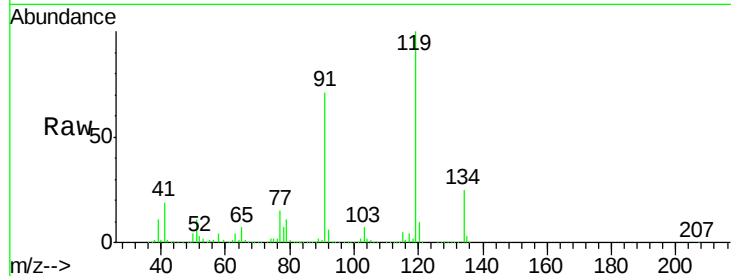
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	498076		
91	71.2		35.1	105.3
134	27.0		13.6	40.7

Manual Integrations
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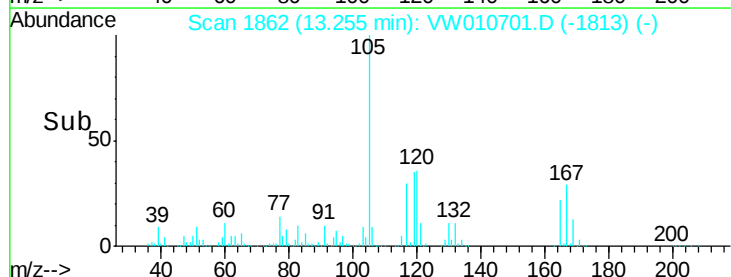
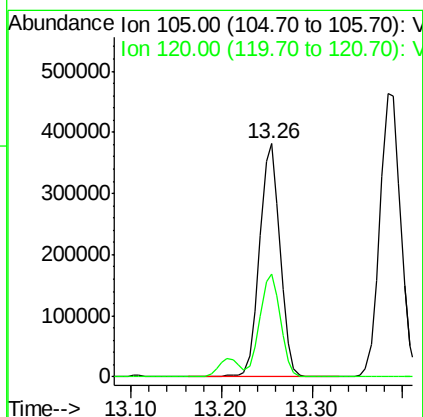
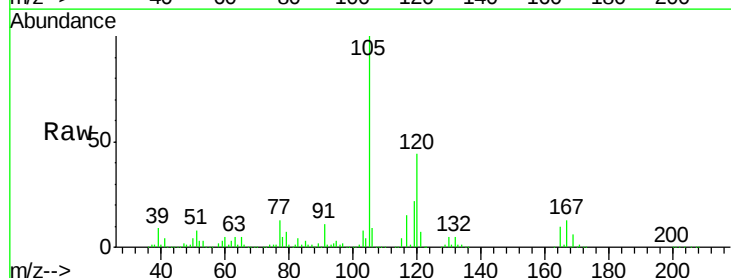
MMDadoda

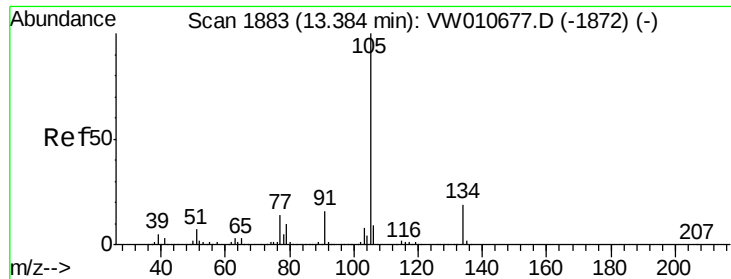
6/7/2019 11:24:40 AM



#84
1,2,4-Trimethylbenzene
Concen: 56.557 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	594087		
120	44.7		22.5	67.5





#85
 sec-Butylbenzene
 Concen: 57.004 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

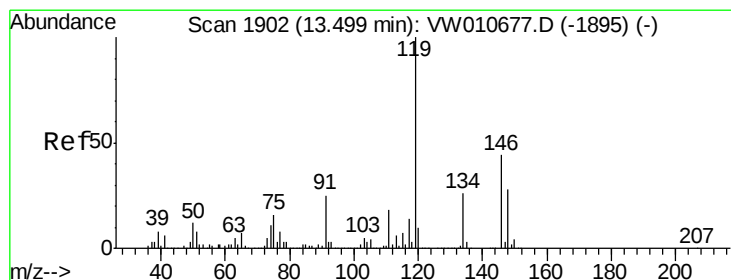
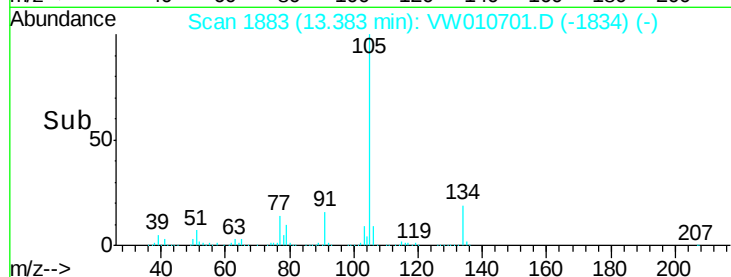
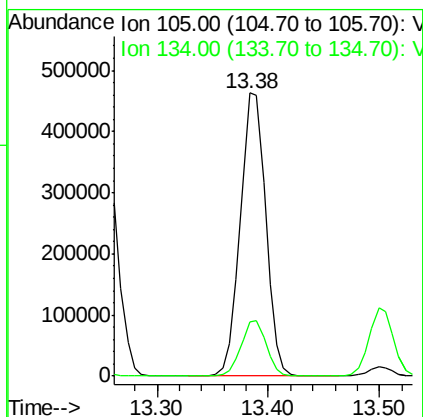
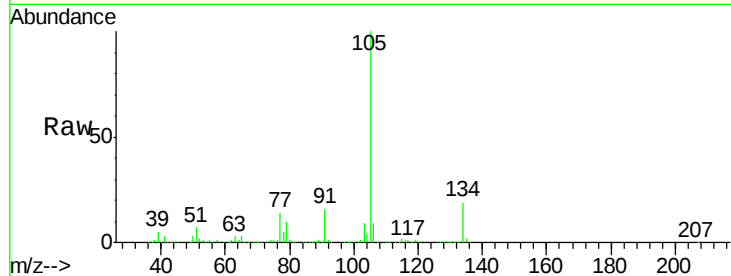
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	28.9

Manual Integrations
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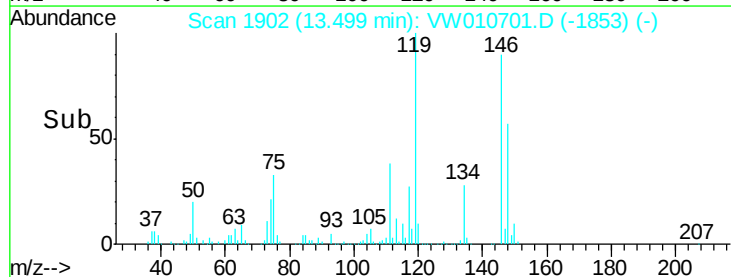
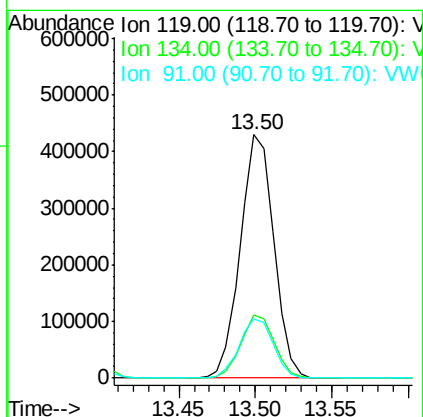
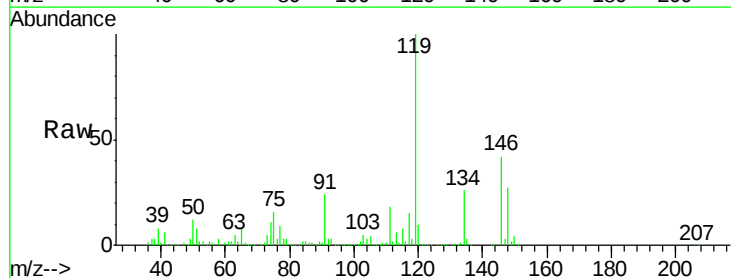
MMDadoda

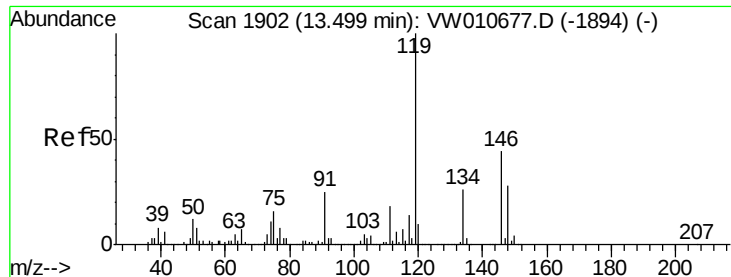
6/7/2019 11:24:40 AM



#86
 p-Isopropyltoluene
 Concen: 56.718 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	24.8	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 54.914 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

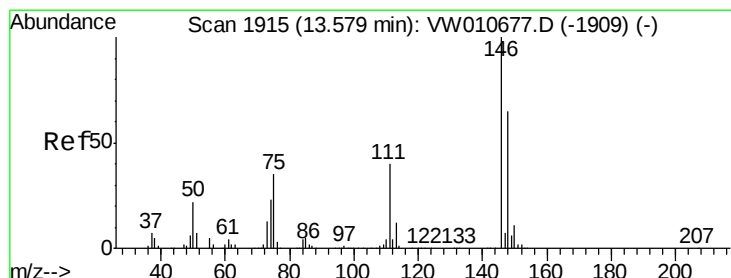
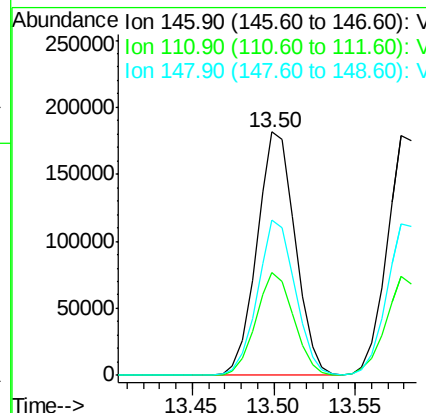
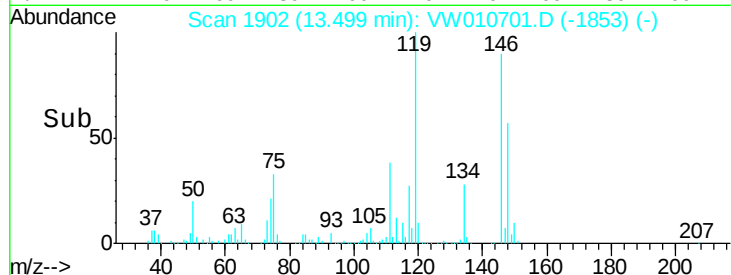
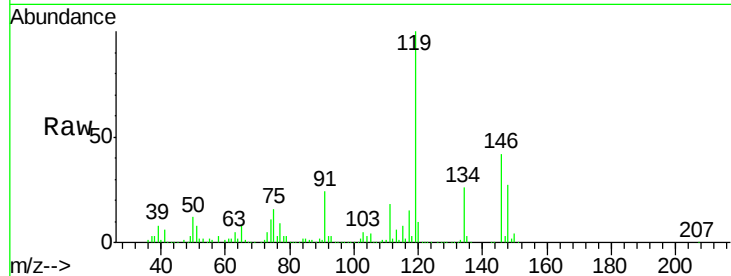
VSTDCCC050

Tot Ion:	146	Resp:	294803
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.4	61.3
148	62.7	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.499 ug/l

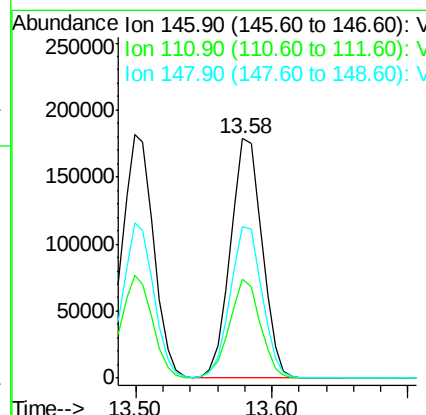
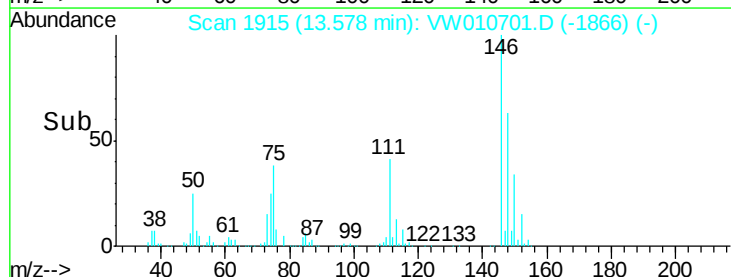
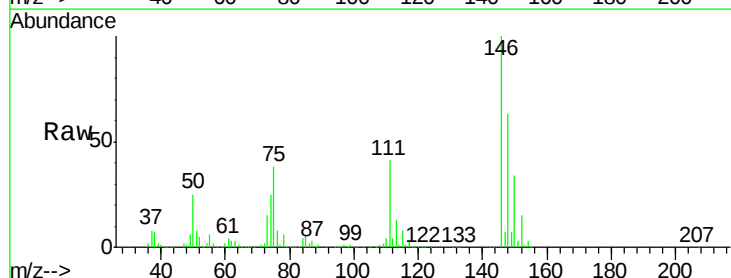
RT: 13.58 min Scan# 1915

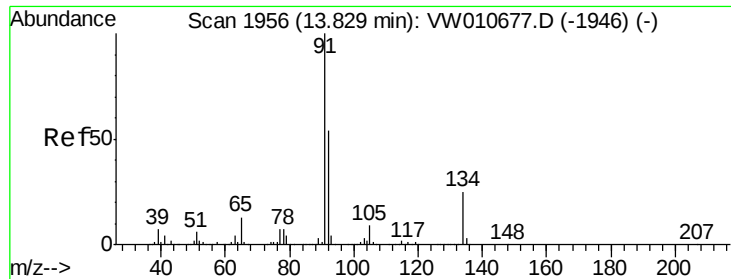
Delta R.T. -0.00 min

Lab File: VW010701.D

Acq: 06 Jun 2019 10:55

Tgt Ion:	146	Resp:	290052
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.9
148	63.4	32.4	97.2





#89
n-Butylbenzene
Concen: 57.942 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

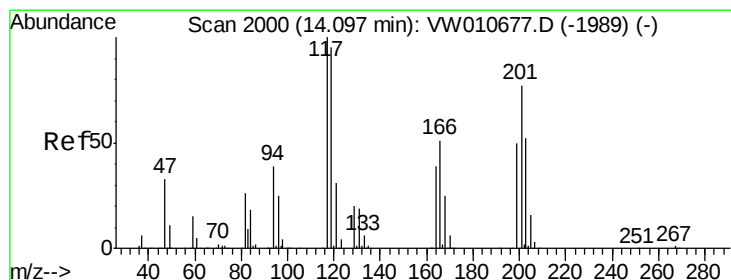
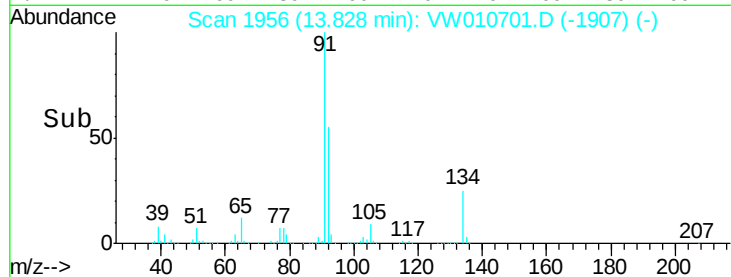
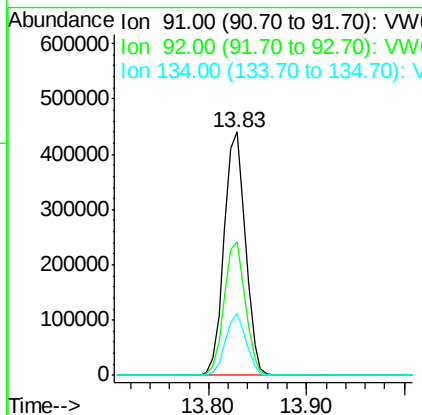
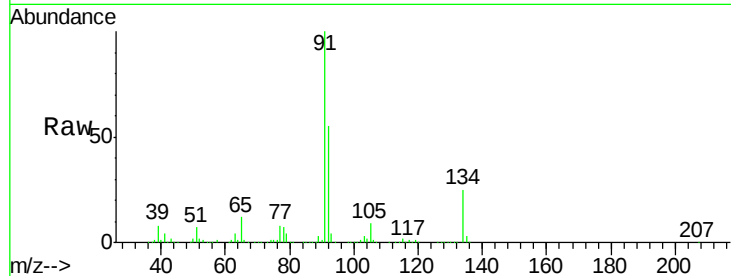
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.8
134	24.4	12.3	36.9

Manual Integrations
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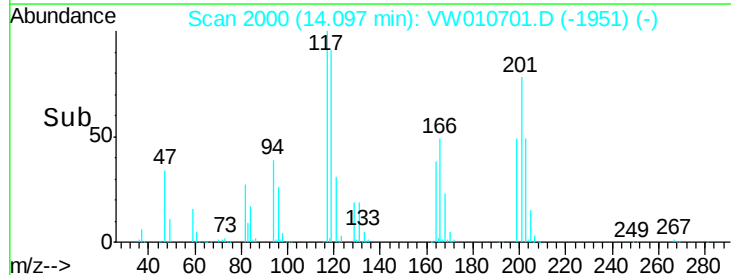
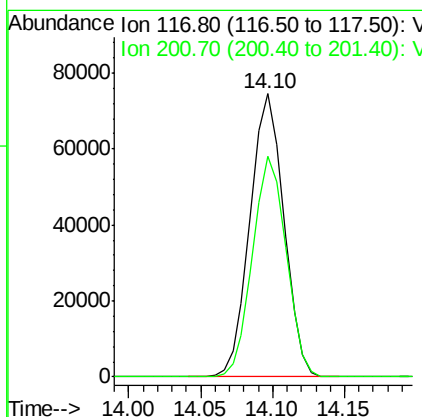
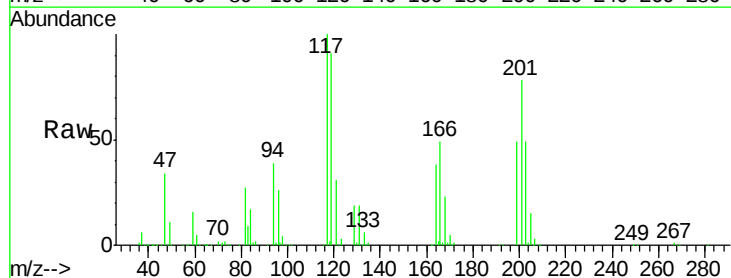
MMDadoda

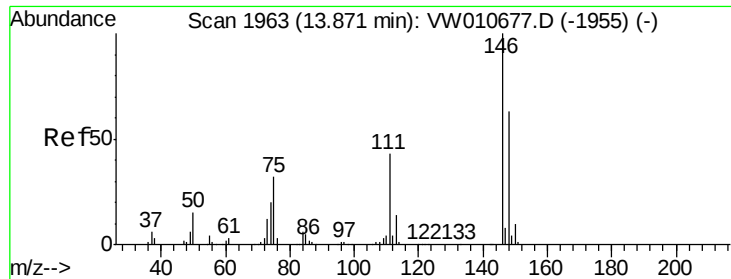
6/7/2019 11:24:40 AM



#90
Hexachloroethane
Concen: 58.740 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	38.8	116.4





#91
 1,2-Dichlorobenzene
 Concen: 52.976 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

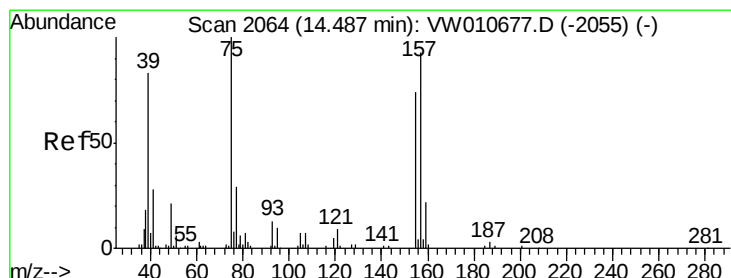
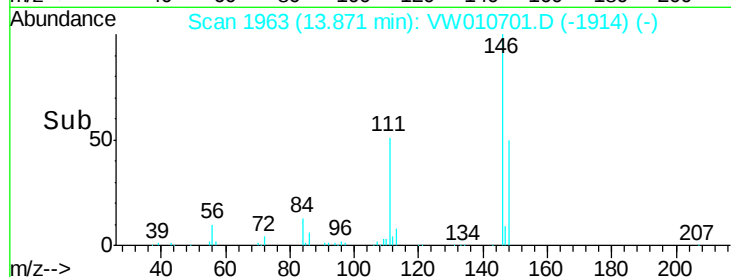
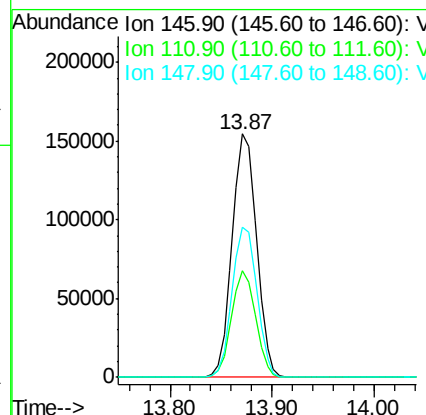
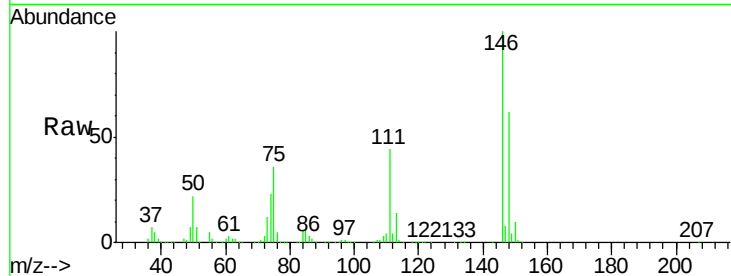
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	62.7	31.9	95.5

Manual Integrations
 APPROVED

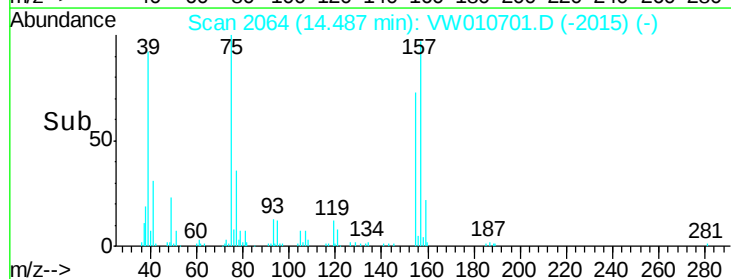
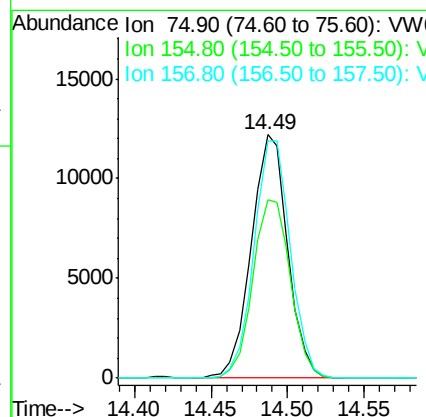
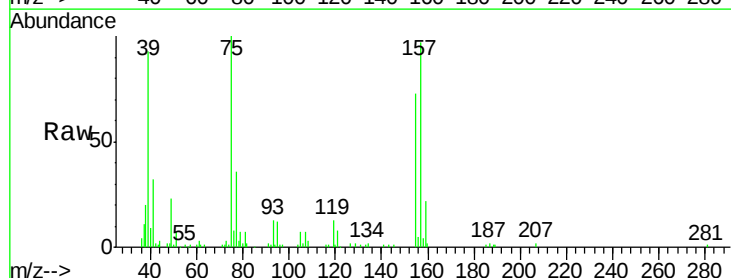
MMDadoda

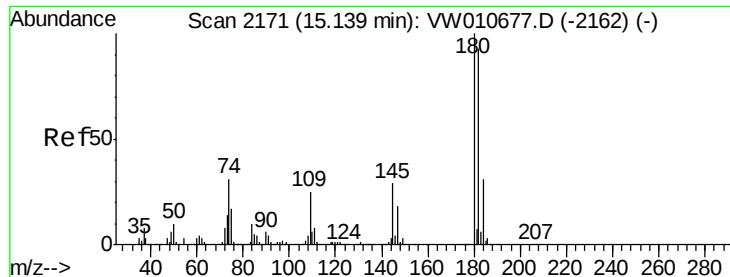
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.396 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	38.8	116.4
157	97.5	48.4	145.0





#93
 1,2,4-Trichlorobenzene
 Concen: 56.121 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

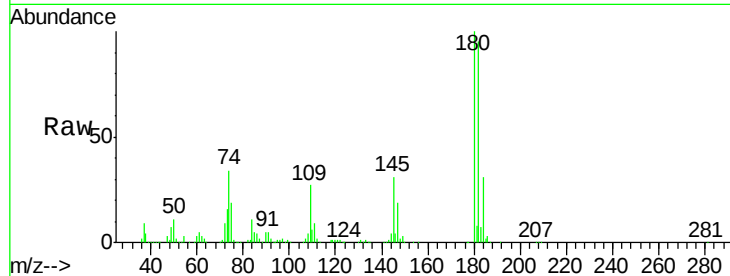
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion:	180	Resp:	190132
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.1	141.4
145	31.0	15.2	45.5

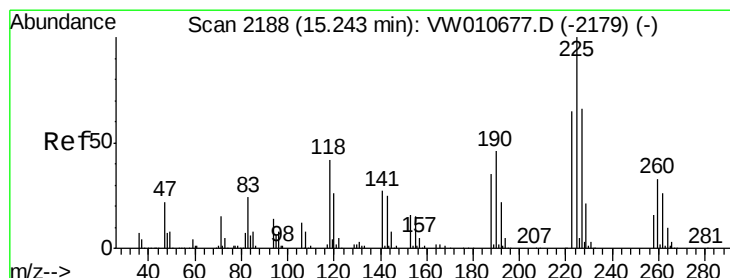
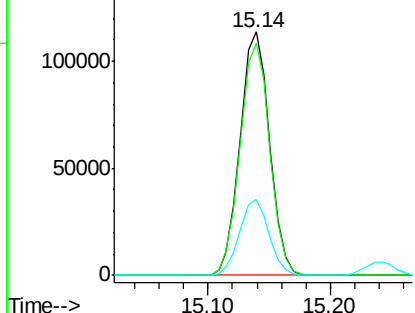
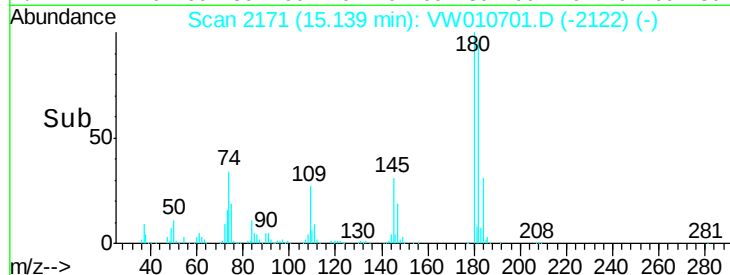
Manual Integrations
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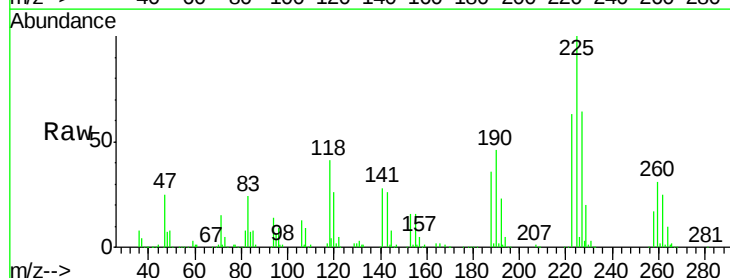


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

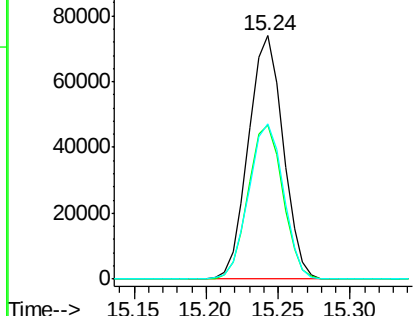
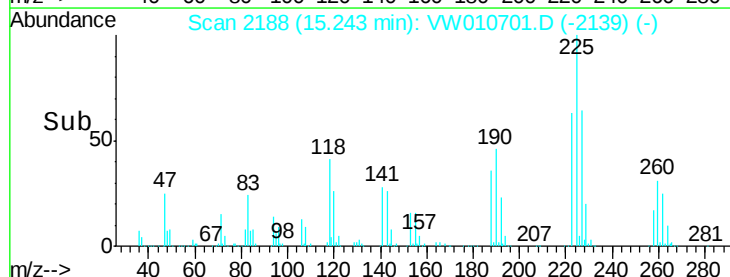


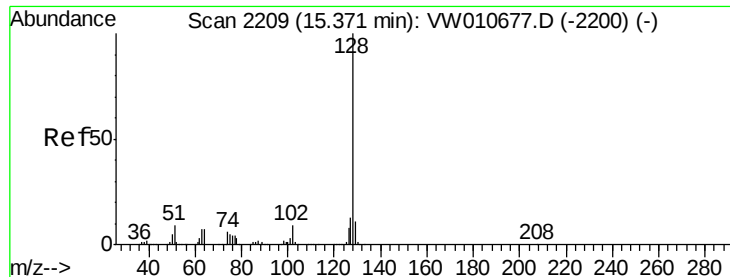
#94
 Hexachlorobutadiene
 Concen: 58.014 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010701.D
 Acq: 06 Jun 2019 10:55

Tgt Ion:	225	Resp:	123355
Ion Ratio	Lower	Upper	
225	100		
223	63.2	32.2	96.6
227	63.9	32.0	96.0



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





#95
Naphthalene
Concen: 51.397 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

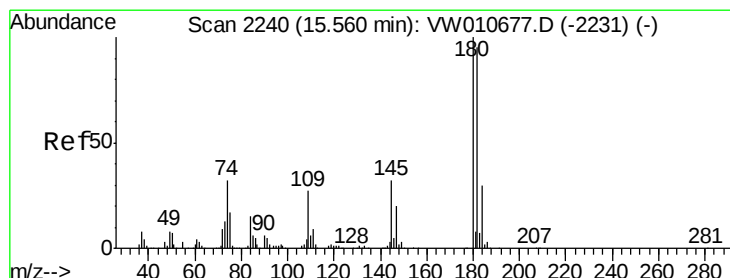
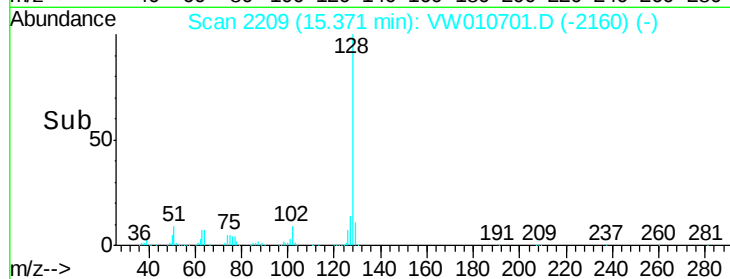
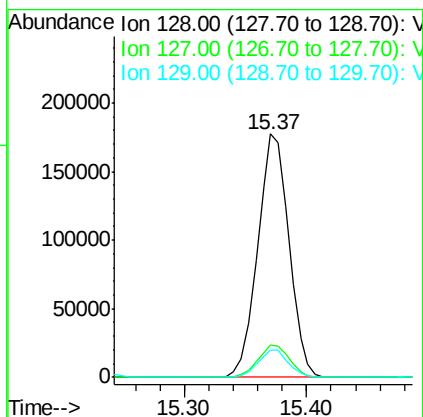
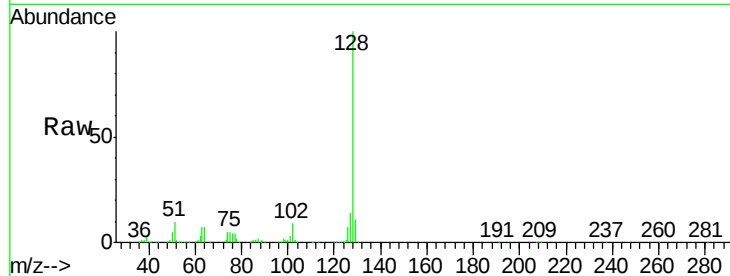
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		316371		
127	13.3		10.6	15.8	
129	10.9		8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.791 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010701.D
Acq: 06 Jun 2019 10:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		160748		
182	95.3		47.0	141.0	
145	31.9		16.1	48.3	

