

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081120\
 Data File : VW016137.D
 Acq On : 11 Aug 2020 15:36
 Operator : SY/VA
 Sample : L3599-06MS
 Misc : 6.20G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY89

Quant Time: Aug 11 18:39:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	291058	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	212458	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	48530	25.00	ug/L	0.00

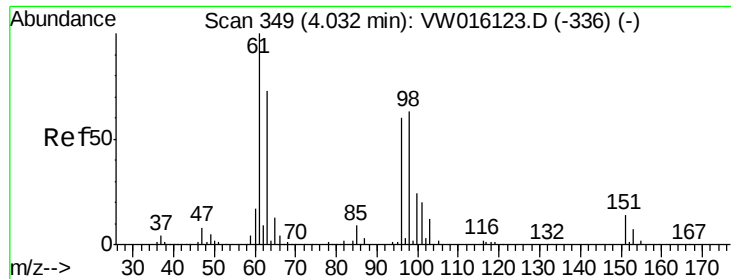
System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	87665	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.16%
7) Chloroethane-d5	2.89	69	71740	26.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.76%
10) 1,1-Dichloroethene-d2	4.01	63	193358	25.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.92%
20) 2-Butanone-d5	7.09	46	73090	76.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.94%#
24) Chloroform-d	7.65	84	199099	25.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.96%
26) 1,2-Dichloroethane-d4	8.31	65	116672	28.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.48%
29) Benzene-d6	8.27	84	376255	32.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	130.20%
33) 1,2-Dichloropropane-d6	9.27	67	113462	33.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	133.52%#
37) Toluene-d8	10.32	98	295093	27.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.36%
38) trans-1,3-Dichloropropene-	10.58	79	42971	28.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.52%
39) 2-Hexanone-d5	10.93	63	49340	84.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	168.30%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94875	34.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	137.16%#
61) 1,2-Dichlorobenzene-d4	13.85	152	49765	28.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	90158	24.135	ug/L	95
13) Acetone	4.14	43	14106	19.638	ug/L	98
14) Carbon disulfide	4.37	76	7767	0.662	ug/L	96
34) Benzene	8.32	78	404220	32.993	ug/L	100
35) Trichloroethene	9.09	95	95278	28.921	ug/L	99
40) 1,2-Dichloropropane	9.27	63	12626	4.197	ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	2883	0.629	ug/L	87
44) Toluene	10.39	91	375045	28.999	ug/L	100
52) Chlorobenzene	11.66	112	201892	23.593	ug/L	95

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



#12

1,1-Dichloroethene

Concen: 24.135 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW016137.D

Acq: 11 Aug 2020 15:36

Instrument :

MSVOA_W

ClientSampled :

GAY89

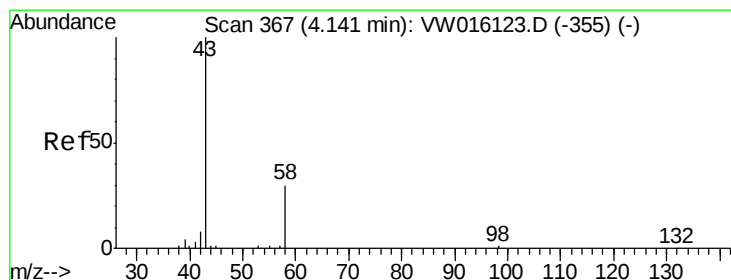
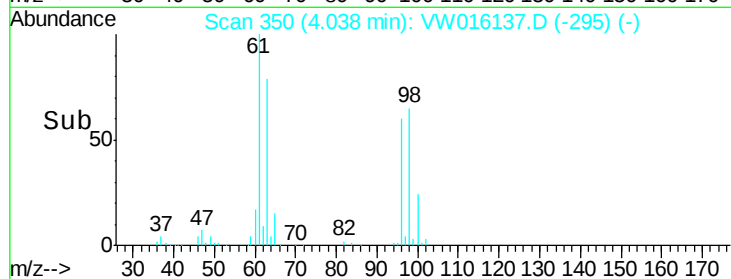
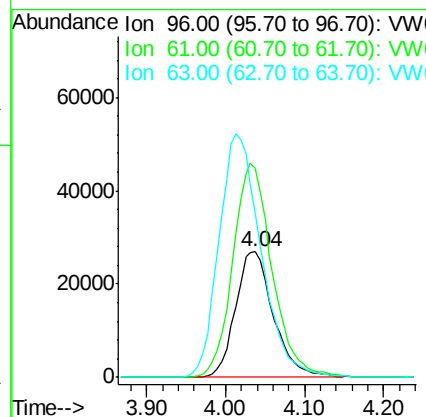
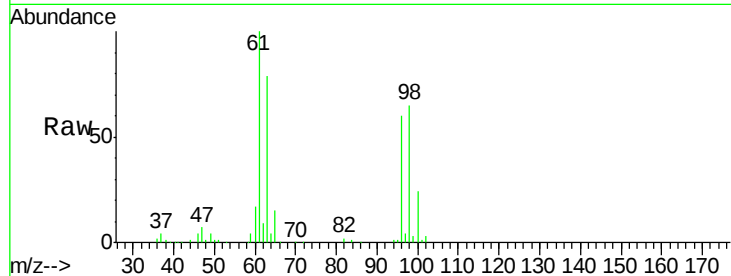
Tgt Ion: 96 Resp: 90158

Ion Ratio Lower Upper

96 100

61 166.4 120.2 223.2

63 131.2 86.4 160.4



#13

Acetone

Concen: 19.638 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016137.D

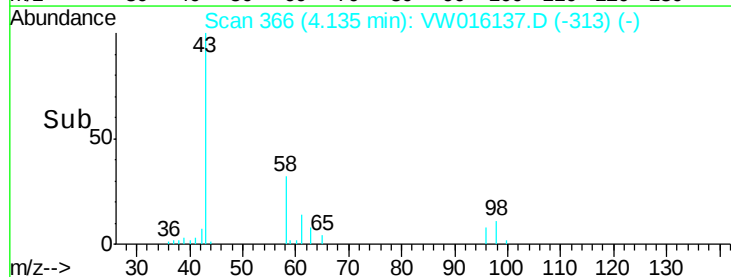
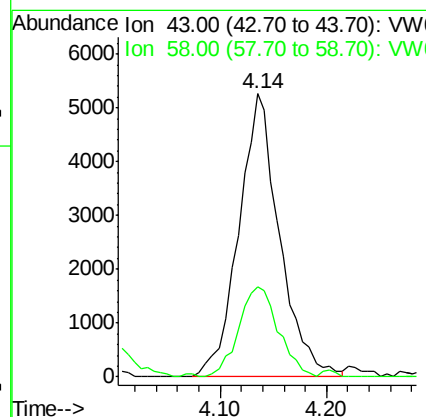
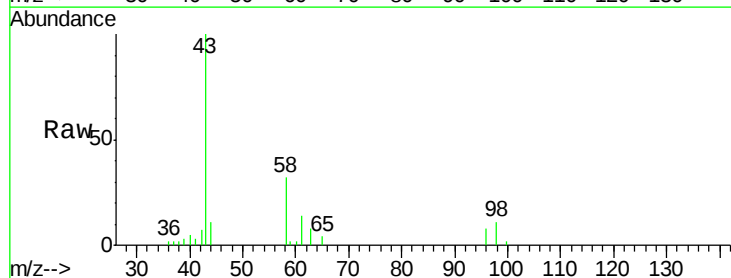
Acq: 11 Aug 2020 15:36

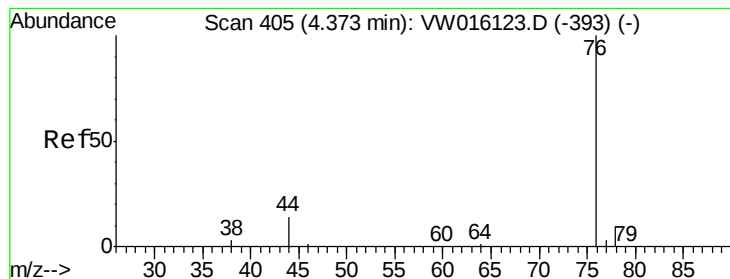
Tgt Ion: 43 Resp: 14106

Ion Ratio Lower Upper

43 100

58 31.0 0.0 59.4





#14

Carbon disulfide

Concen: 0.662 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW016137.D

Acq: 11 Aug 2020 15:36

Instrument :

MSVOA_W

ClientSampleId :

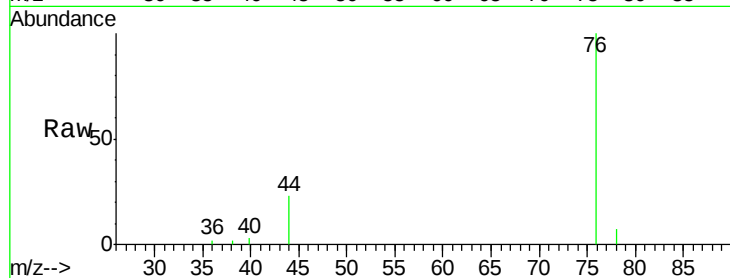
GAY89

Tgt Ion: 76 Resp: 7767

Ion Ratio Lower Upper

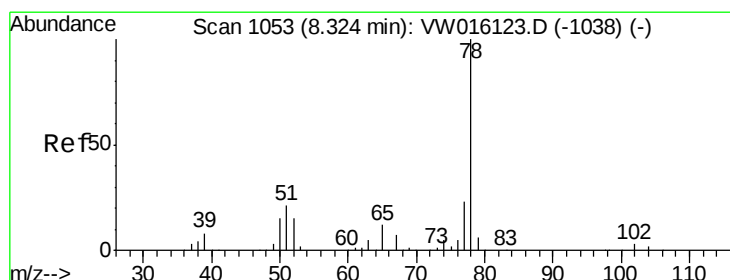
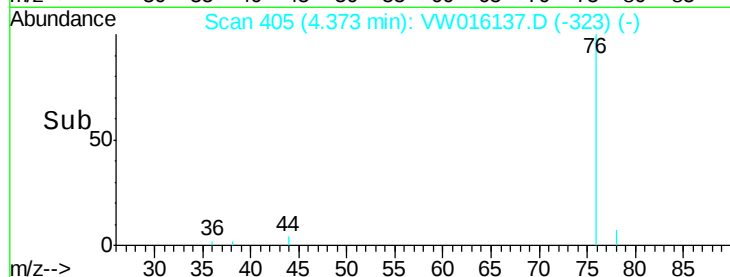
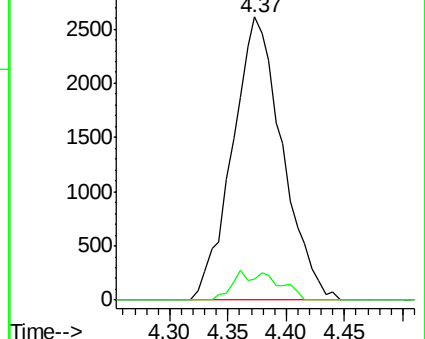
76 100

78 7.2 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#34

Benzene

Concen: 32.993 ug/L

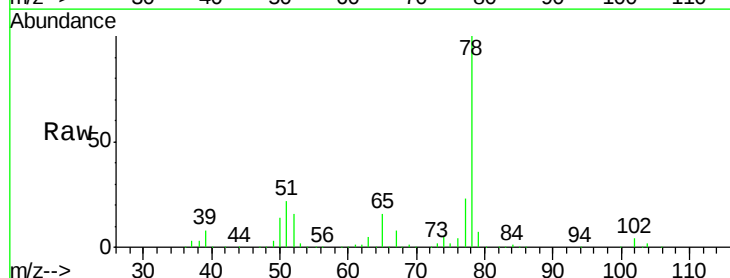
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

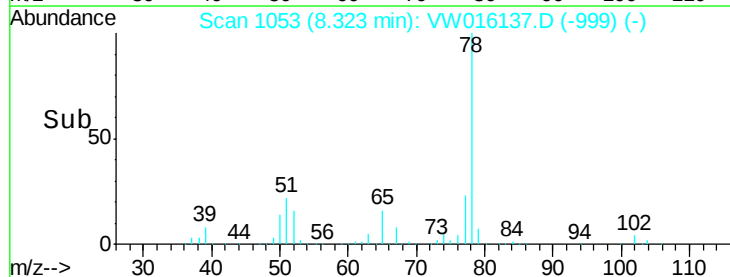
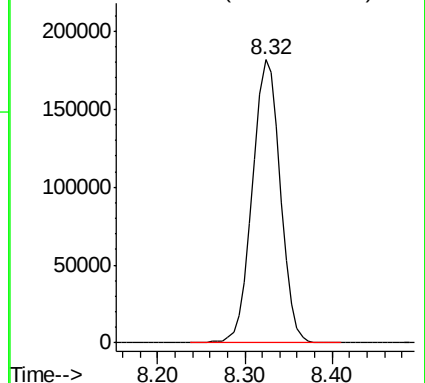
Lab File: VW016137.D

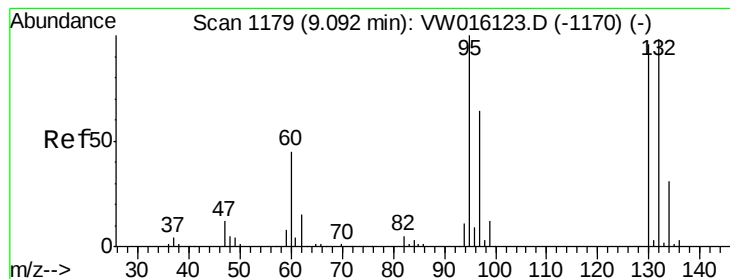
Acq: 11 Aug 2020 15:36

Tgt Ion: 78 Resp: 404220



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 28.921 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016137.D

Acq: 11 Aug 2020 15:36

Instrument :

MSVOA_W

ClientSampled :

GAY89

Tgt Ion: 95 Resp: 95278

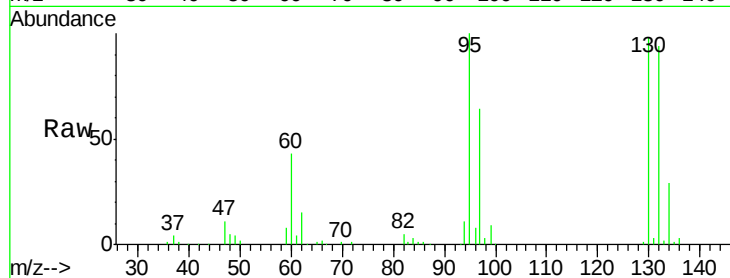
Ion Ratio Lower Upper

95 100

97 64.4 44.9 83.3

132 95.3 65.8 122.2

130 97.5 69.5 129.1

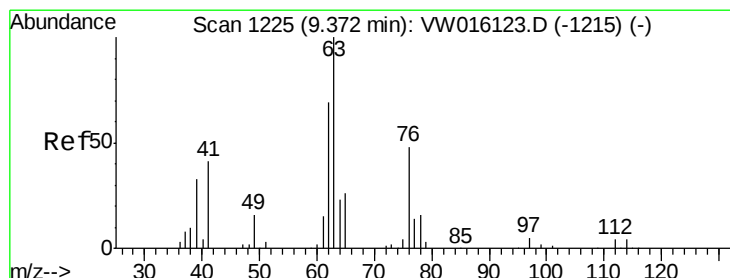
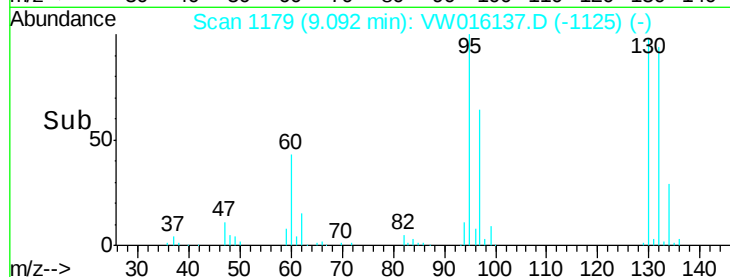
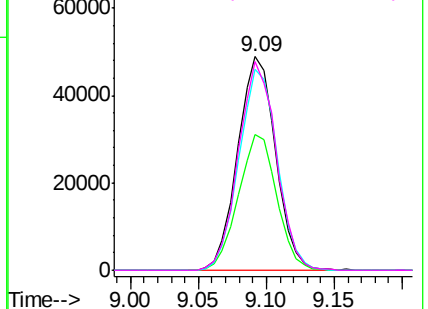


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 4.197 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016137.D

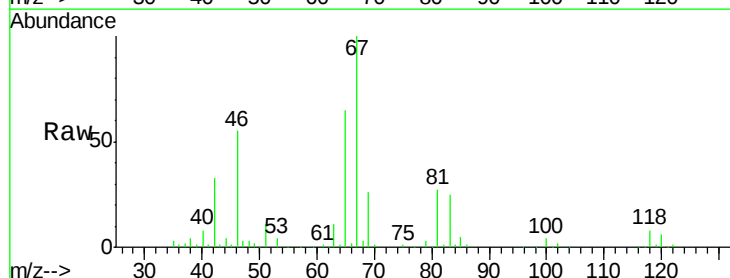
Acq: 11 Aug 2020 15:36

Tgt Ion: 63 Resp: 12626

Ion Ratio Lower Upper

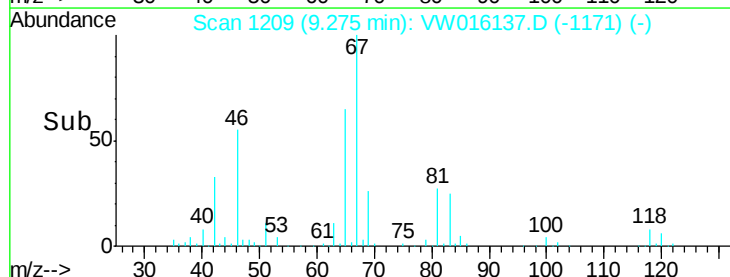
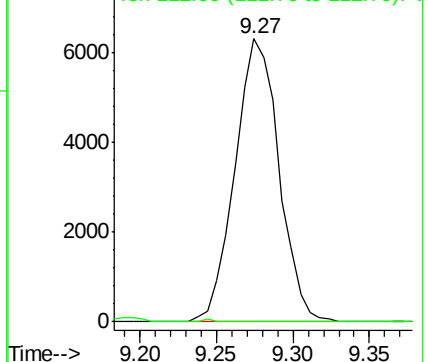
63 100

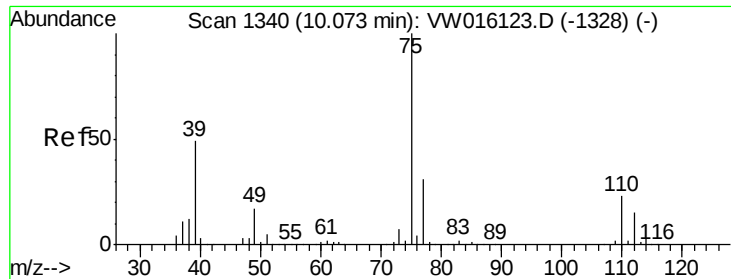
112 0.9 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

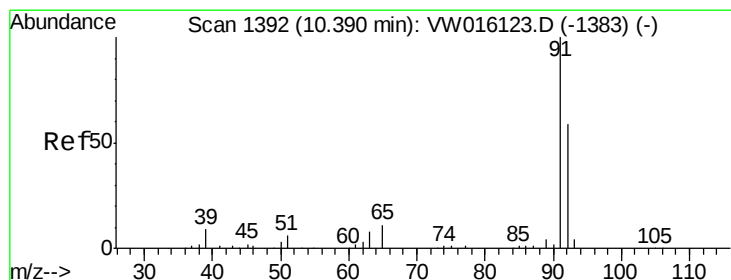
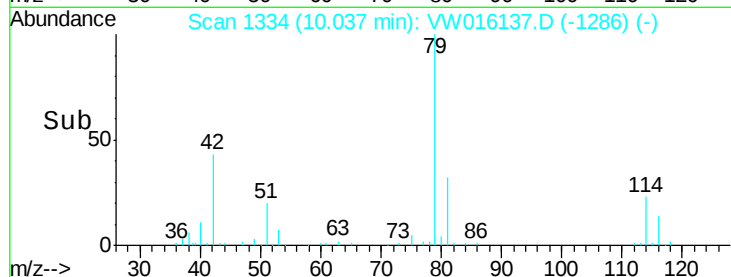
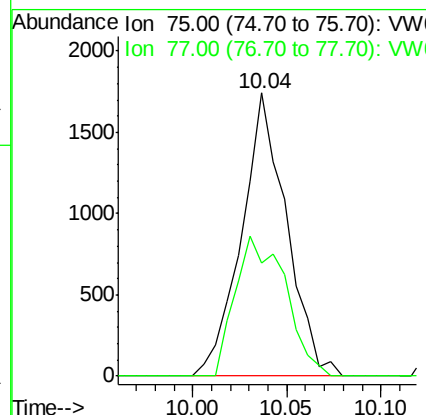
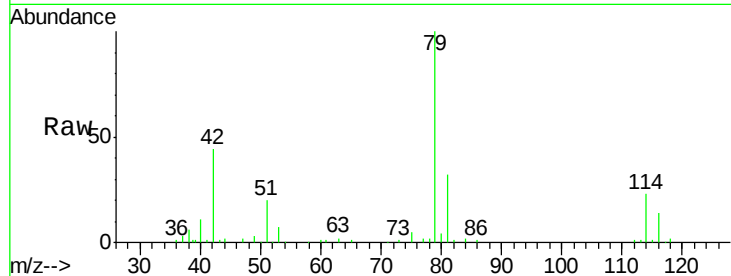




#42
 cis-1,3-Dichloropropene
 Concen: 0.629 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016137.D
 Acq: 11 Aug 2020 15:36

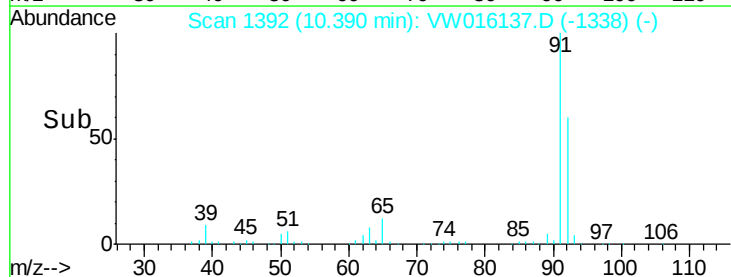
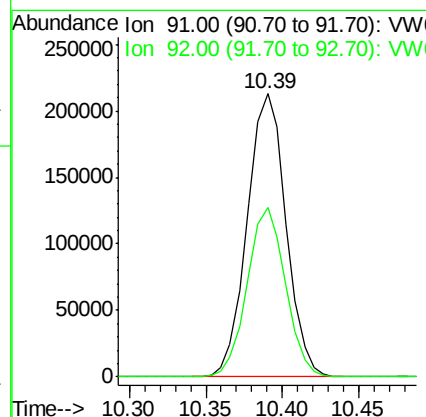
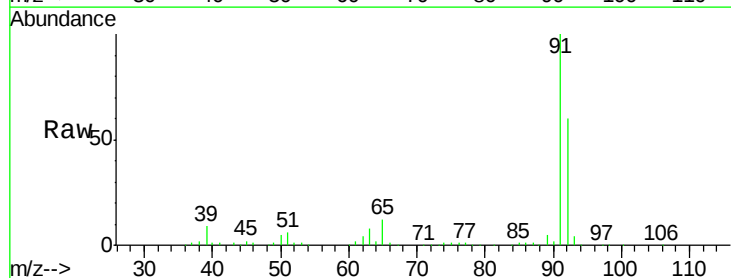
Instrument :
 MSVOA_W
 ClientSampleId :
 GAY89

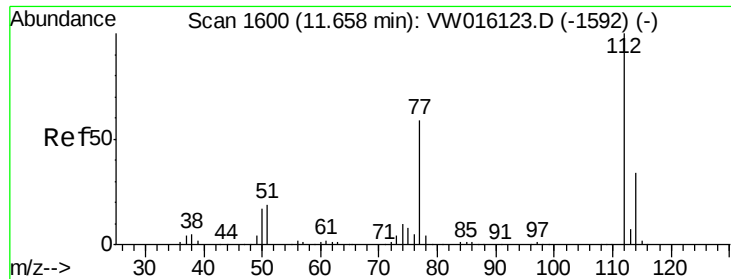
Tgt Ion: 75 Resp: 2883
 Ion Ratio Lower Upper
 75 100
 77 40.1 22.9 42.5



#44
 Toluene
 Concen: 28.999 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW016137.D
 Acq: 11 Aug 2020 15:36

Tgt Ion: 91 Resp: 375045
 Ion Ratio Lower Upper
 91 100
 92 59.8 41.8 77.6





#52

Chlorobenzene

Concen: 23.593 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016137.D

Acq: 11 Aug 2020 15:36

Instrument :

MSVOA_W

ClientSampleId :

GAY89

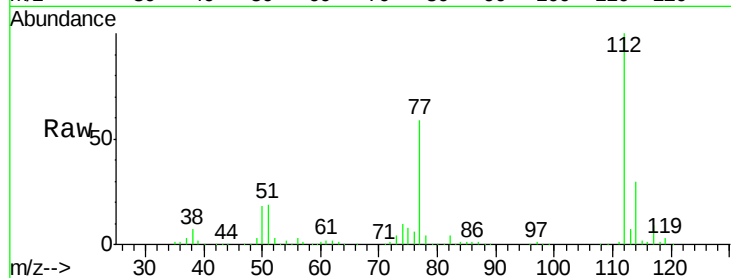
Tgt Ion:112 Resp: 201892

Ion Ratio Lower Upper

112 100

77 58.5 49.1 73.7

114 29.9 23.5 43.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V

