

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111519\
 Data File : VW014037.D
 Acq On : 15 Nov 2019 13:35
 Operator : SY/VA
 Sample : K5811-07MS
 Misc : 3.46G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 16 04:08:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 16 04:05:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	347303	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	326647	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	162671	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	108920	19.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.64%
7) Chloroethane-d5	2.88	69	97645	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.96%
10) 1,1-Dichloroethene-d2	4.02	63	245102	21.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.20%
20) 2-Butanone-d5	7.07	46	76688	47.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.28%
24) Chloroform-d	7.65	84	259135	24.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.08%
26) 1,2-Dichloroethane-d4	8.30	65	137475	25.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.44%
29) Benzene-d6	8.27	84	547250	23.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.44%
33) 1,2-Dichloropropane-d6	9.27	67	165263	24.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.36%
37) Toluene-d8	10.32	98	500378	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.08%
38) trans-1,3-Dichloropropene-	10.58	79	66974	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.12%
39) 2-Hexanone-d5	10.92	63	58989	45.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123339	24.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	154928	23.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.84%

Target Compounds

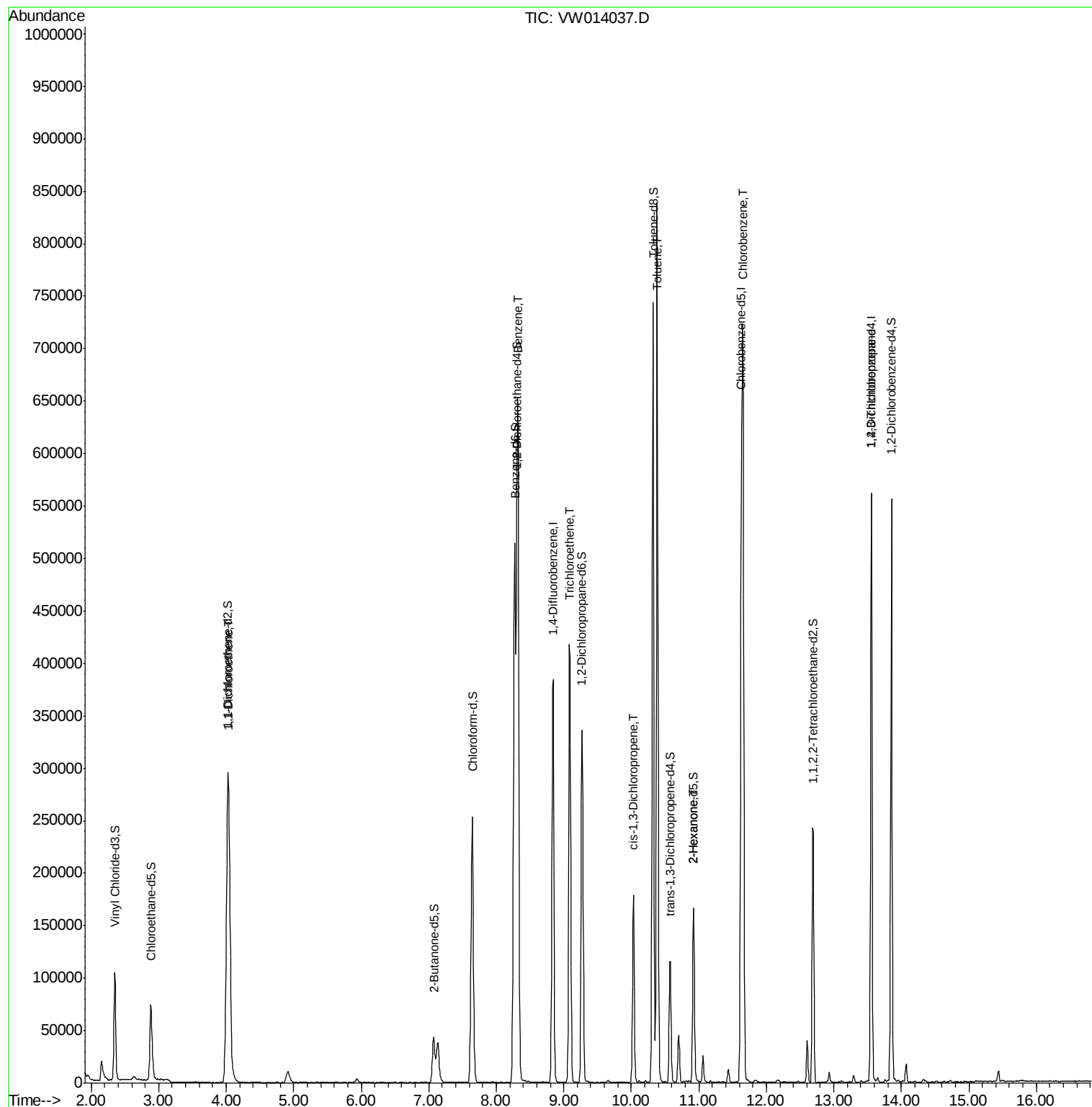
					Ovalue
12) 1,1-Dichloroethene	4.04	96	127568	21.758 ug/L	92
34) Benzene	8.32	78	576762	24.072 ug/L	100
35) Trichloroethene	9.09	95	147958	23.150 ug/L	100
42) cis-1,3-Dichloropropene	10.04	75	4045	0.444 ug/L #	52
44) Toluene	10.38	91	623269	23.859 ug/L	99
49) 2-Hexanone	10.92	43	6460	2.353 ug/L #	66
52) Chlorobenzene	11.65	112	382349	23.347 ug/L	95
59) 1,2,3-Trichloropropane	13.55	75	17058	4.584 ug/L	90

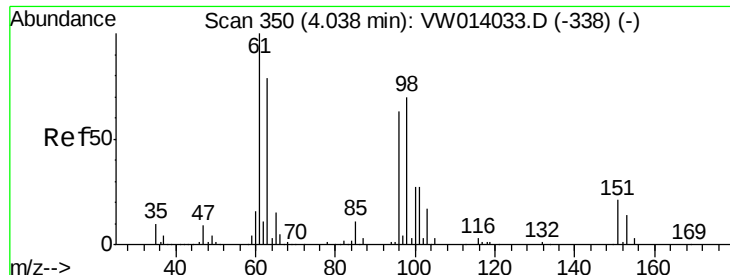
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Nov 16 04:05:25 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 21.758 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014037.D

Acq: 15 Nov 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :

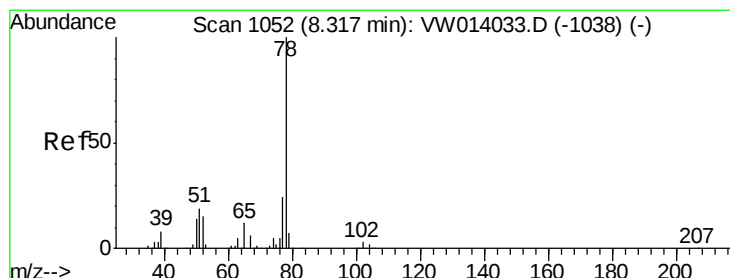
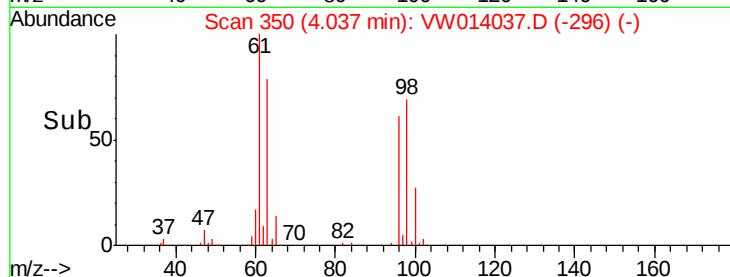
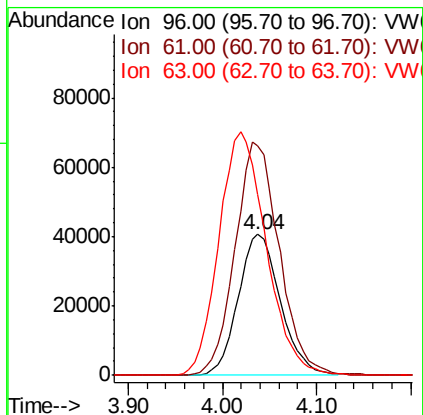
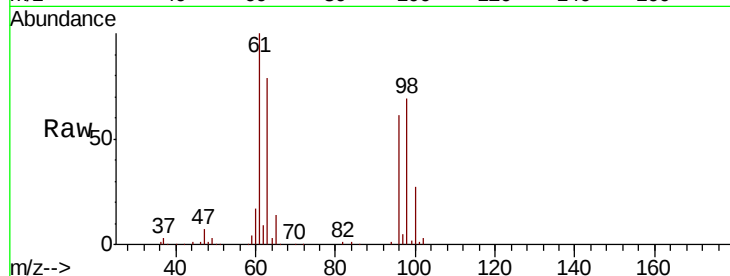
Tot Ion: 96 Resp: 127568

Ion Ratio Lower Upper

96 100

61 162.9 109.8 204.0

63 128.6 80.7 149.9



#34

Benzene

Concen: 24.072 ug/L

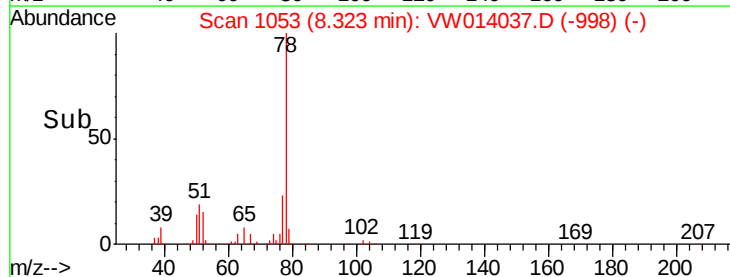
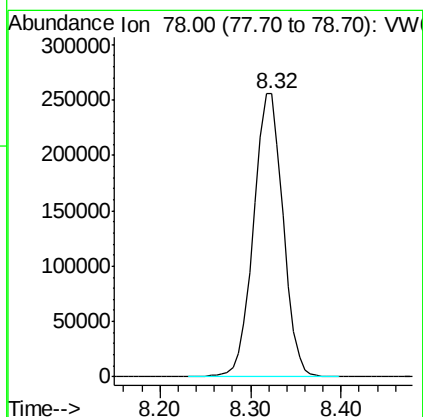
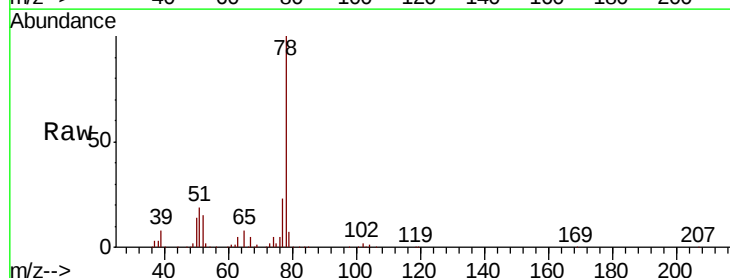
RT: 8.32 min Scan# 1053

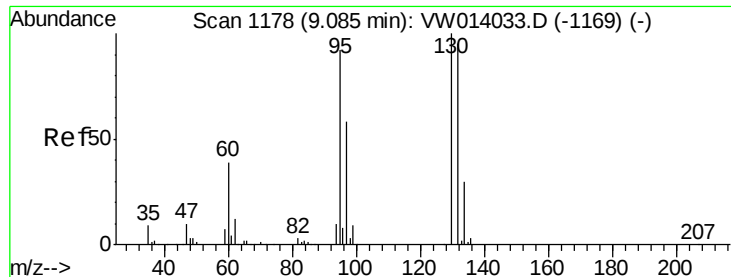
Delta R.T. 0.01 min

Lab File: VW014037.D

Acq: 15 Nov 2019 13:35

Tgt Ion: 78 Resp: 576762

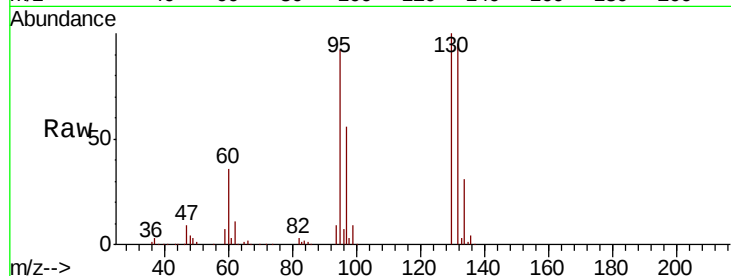




#35
 Trichloroethene
 Concen: 23.150 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014037.D
 Acq: 15 Nov 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	95	Resp	147958
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.1	83.9
132	105.9	73.7	136.9
130	109.1	76.6	142.2



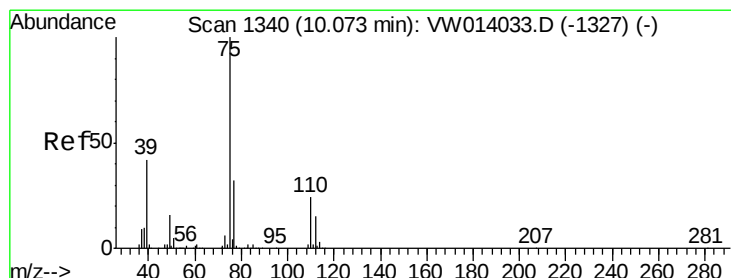
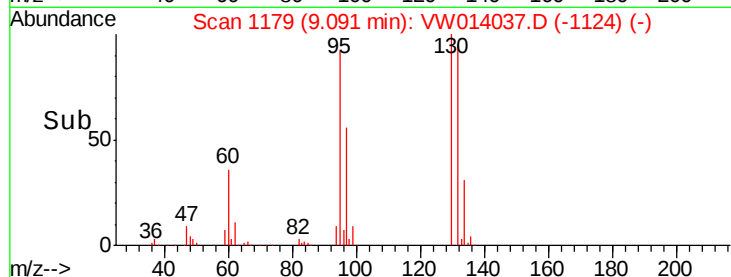
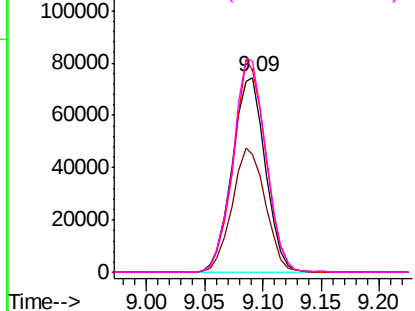
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

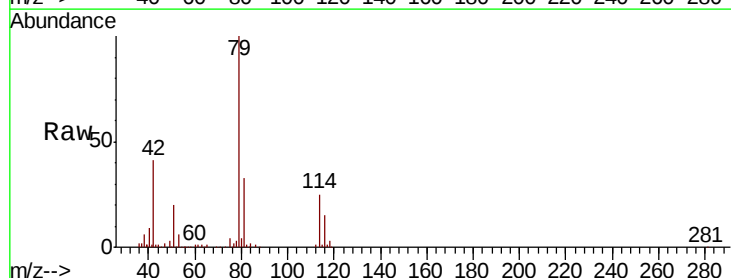
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42
 cis-1,3-Dichloropropene
 Concen: 0.444 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW014037.D
 Acq: 15 Nov 2019 13:35

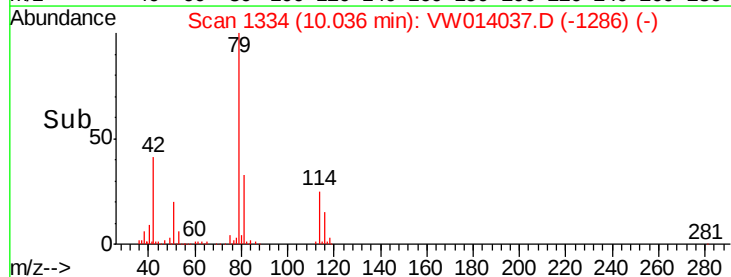
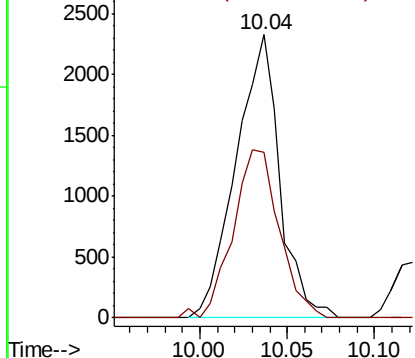
Tgt Ion	75	Resp	4045
Ion	Ratio	Lower	Upper
75	100		
77	58.4	22.1	41.1#

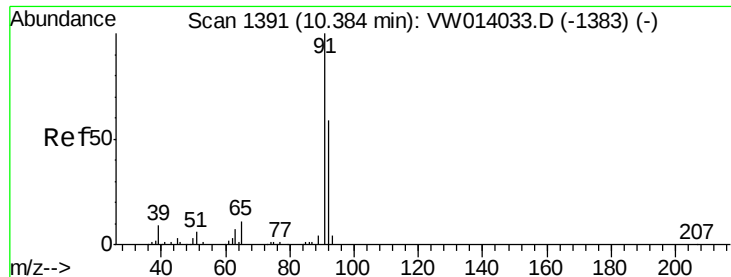


Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 23.859 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014037.D

Acq: 15 Nov 2019 13:35

Instrument :

MSVOA_W

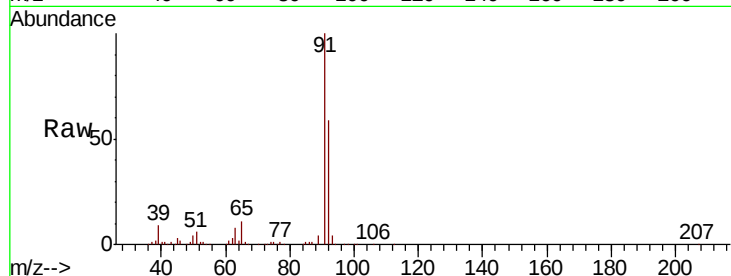
ClientSampleId :

Tot Ion: 91 Resp: 623269

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

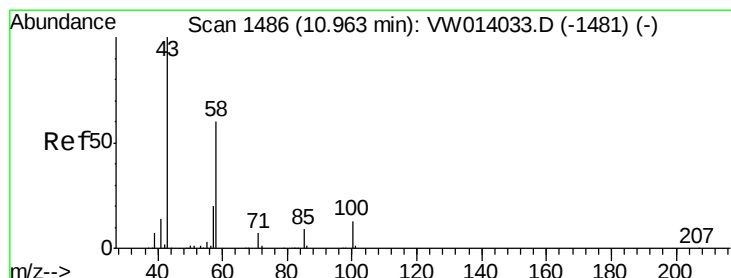
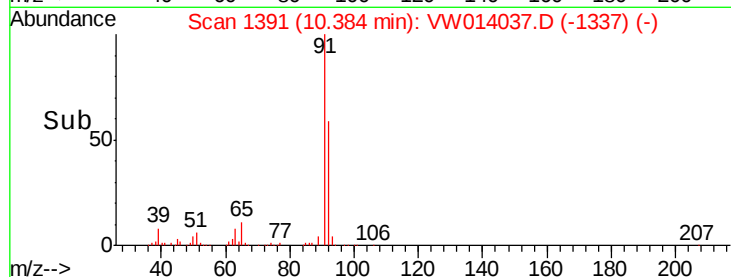
300000

200000

100000

0

Time-->



#49

2-Hexanone

Concen: 2.353 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW014037.D

Acq: 15 Nov 2019 13:35

Tgt Ion: 43 Resp: 6460

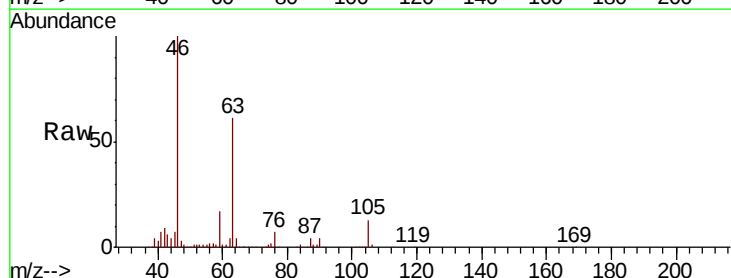
Ion Ratio Lower Upper

43 100

58 24.8 44.4 66.6#

57 26.7 16.5 24.7#

100 0.0 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

5000

4000

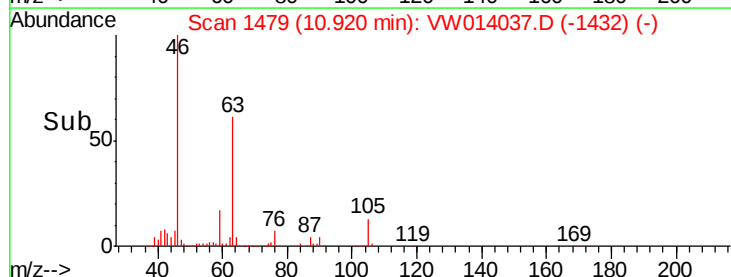
3000

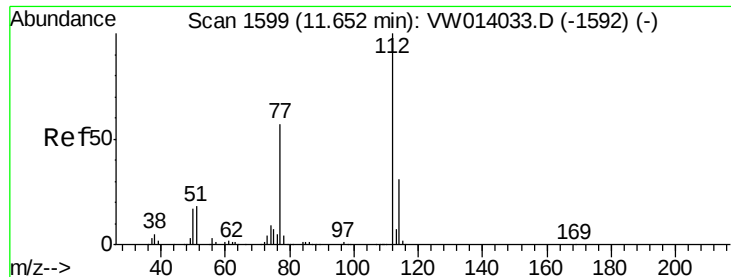
2000

1000

0

Time-->





#52

Chlorobenzene

Concen: 23.347 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW014037.D

Acq: 15 Nov 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

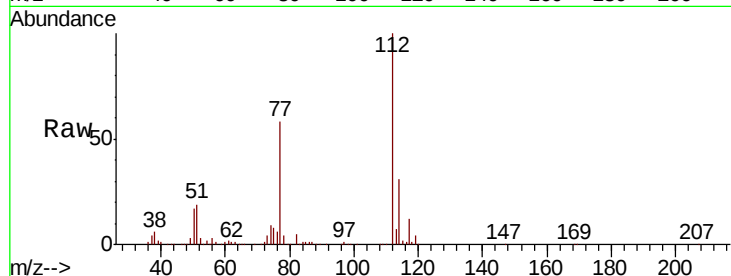
Tot Ion:112 Resp: 382349

Ion Ratio Lower Upper

112 100

77 58.0 42.2 63.4

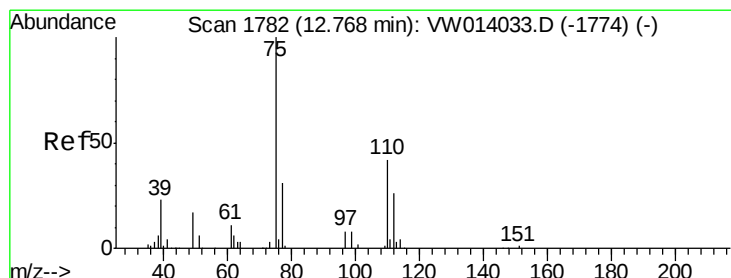
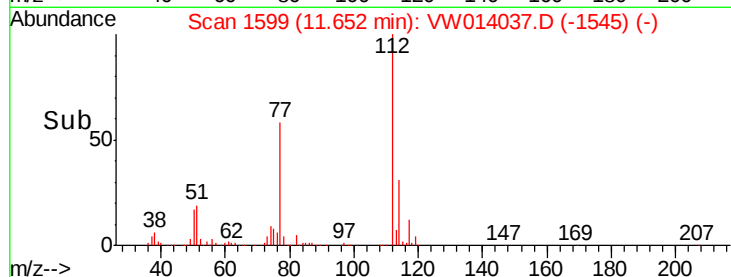
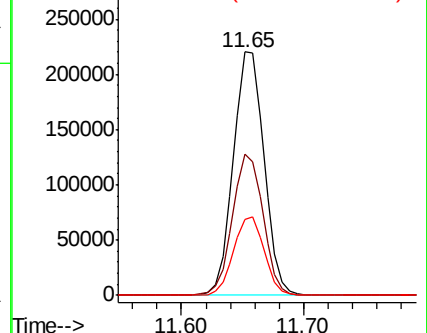
114 31.0 22.5 41.9



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



#59

1,2,3-Trichloropropane

Concen: 4.584 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014037.D

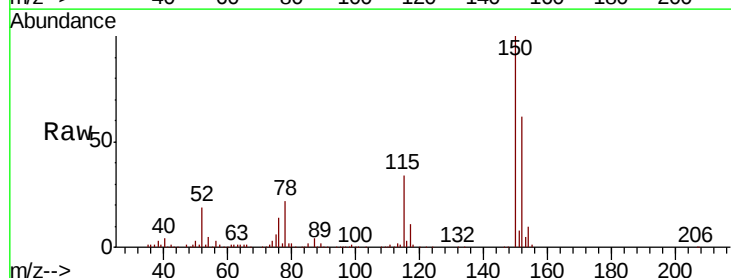
Acq: 15 Nov 2019 13:35

Tgt Ion: 75 Resp: 17058

Ion Ratio Lower Upper

75 100

77 38.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

