

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081120\
 Data File : VW016132.D
 Acq On : 11 Aug 2020 13:37
 Operator : SY/VA
 Sample : L3598-08MSD
 Misc : 5.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY64MSD

Quant Time: Aug 11 18:15:53 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	8.85	114	333619	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	221634	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	40832	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	109426	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.80%
7) Chloroethane-d5	2.89	69	80578	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.64%
10) 1,1-Dichloroethene-d2	4.01	63	213910	24.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.40%
20) 2-Butanone-d5	7.08	46	75812	69.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.32%#
24) Chloroform-d	7.65	84	223419	24.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	8.30	65	134998	28.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.56%
29) Benzene-d6	8.27	84	418642	34.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	138.88%#
33) 1,2-Dichloropropane-d6	9.28	67	129301	36.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	145.88%#
37) Toluene-d8	10.33	98	314834	28.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.88%
38) trans-1,3-Dichloropropene-	10.58	79	54498	34.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	136.80%#
39) 2-Hexanone-d5	10.93	63	56588	92.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	185.04%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98123	33.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	135.96%#
61) 1,2-Dichlorobenzene-d4	13.86	152	35350	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

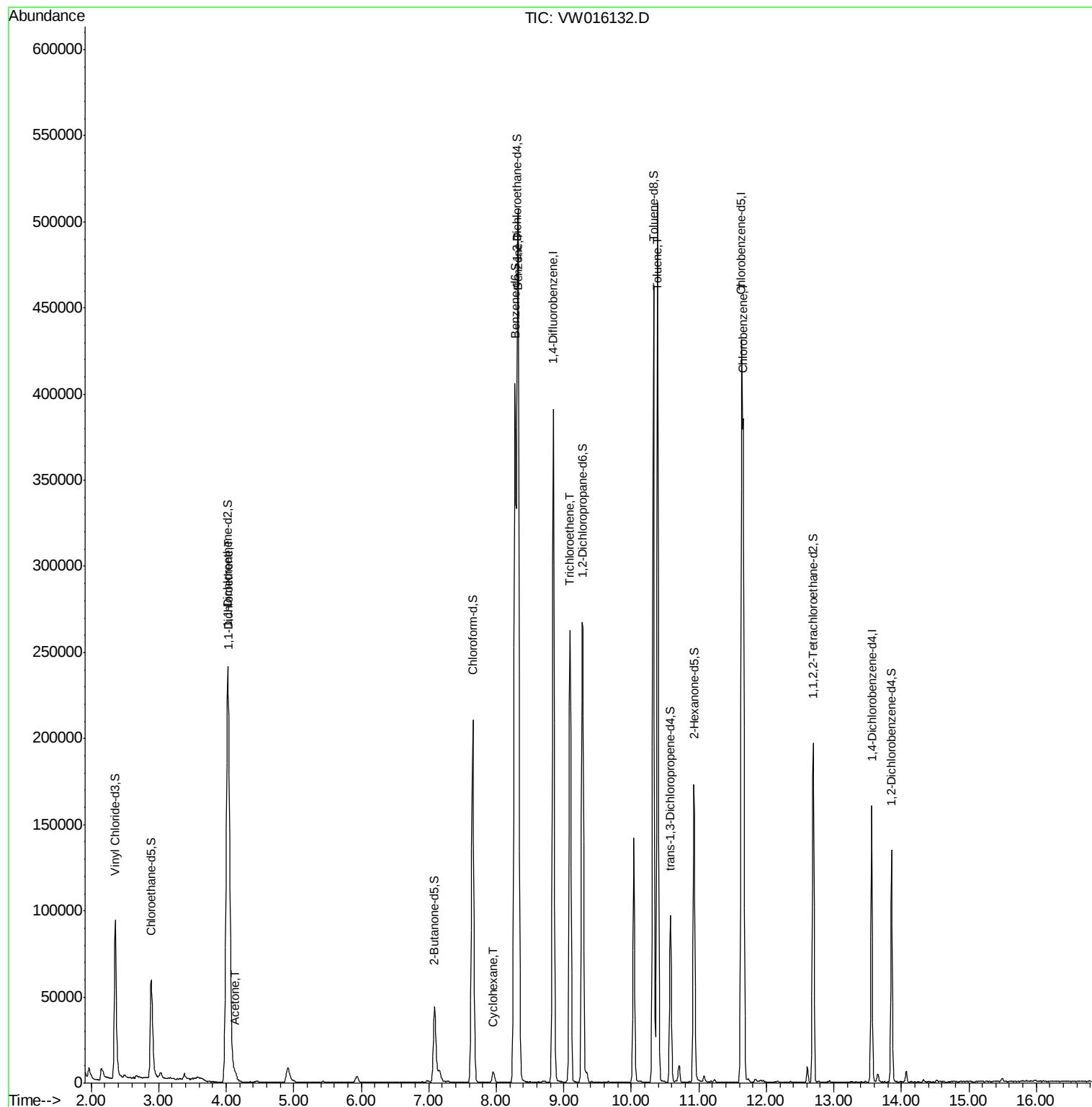
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	92455	21.592	ug/L	95
13) Acetone	4.13	43	7377	8.960	ug/L	95
30) Cyclohexane	7.96	56	2678	0.555	ug/L	97
34) Benzene	8.32	78	426846	33.397	ug/L	100
35) Trichloroethene	9.09	95	96041	27.946	ug/L	99
44) Toluene	10.39	91	369294	27.372	ug/L	99
52) Chlorobenzene	11.66	112	189225	21.197	ug/L	95

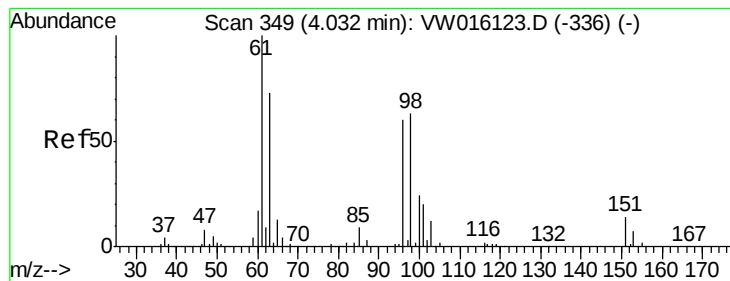
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 11 18:15:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 11 16:06:11 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 21.592 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW016132.D

Acq: 11 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

GAY64MSD

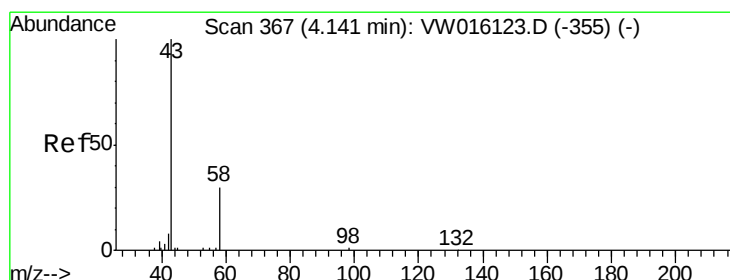
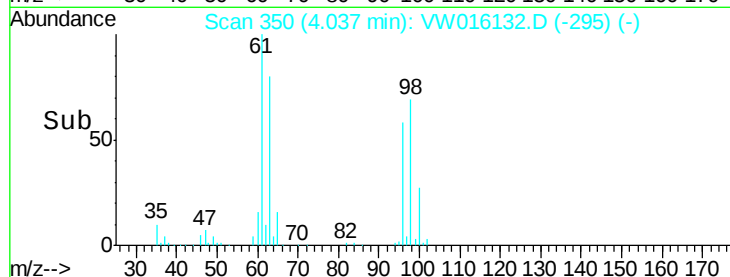
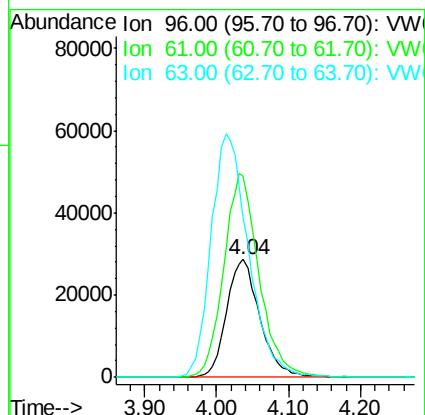
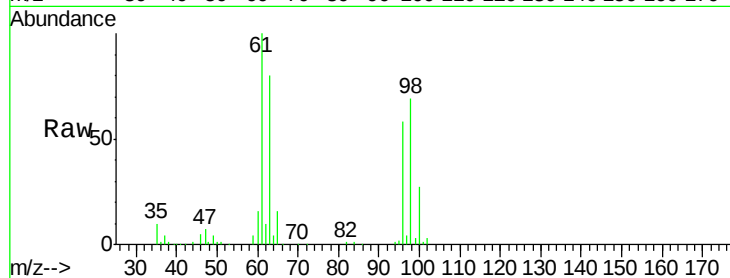
Tot Ion: 96 Resp: 92455

Ion Ratio Lower Upper

96 100

61 171.1 120.2 223.2

63 136.5 86.4 160.4



#13

Acetone

Concen: 8.960 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016132.D

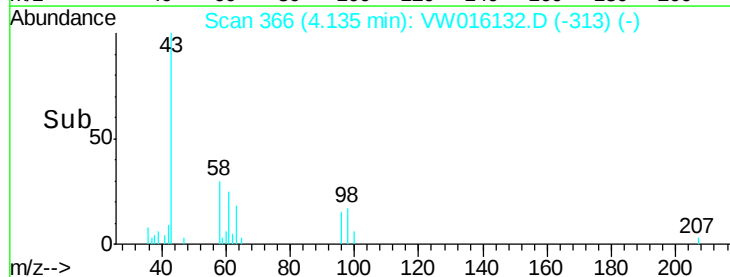
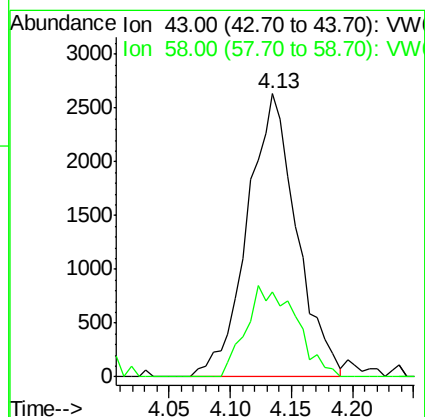
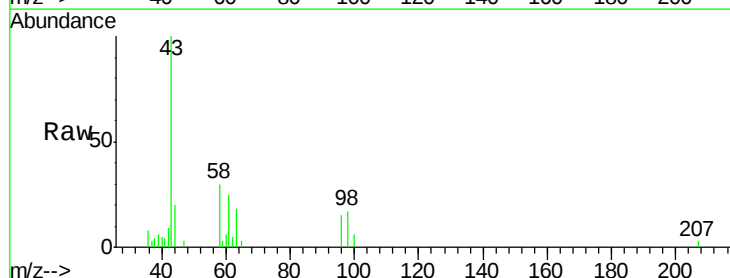
Acq: 11 Aug 2020 13:37

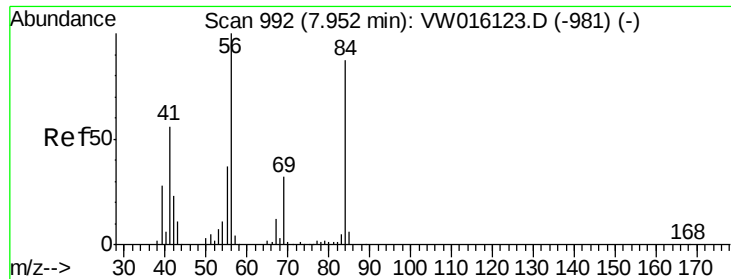
Tgt Ion: 43 Resp: 7377

Ion Ratio Lower Upper

43 100

58 32.6 0.0 59.4

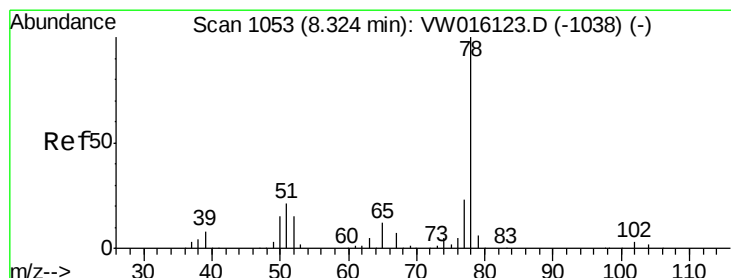
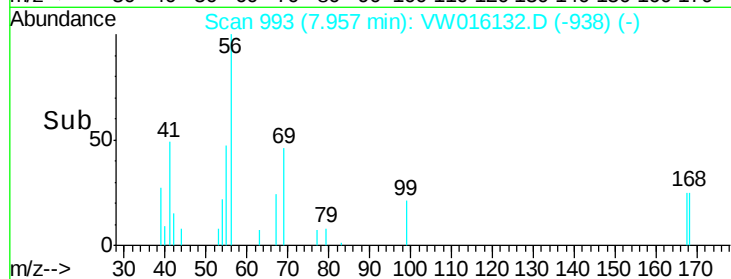
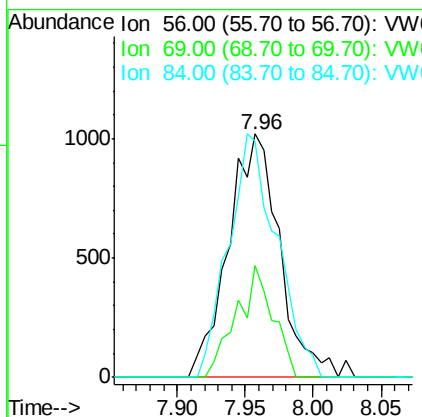
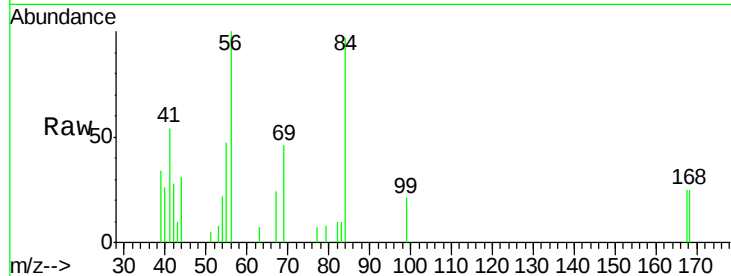




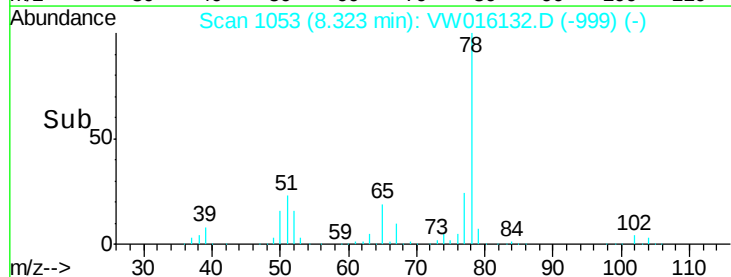
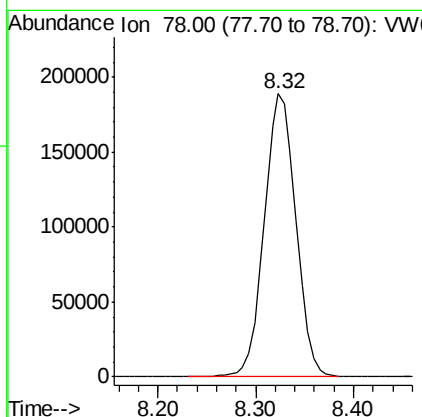
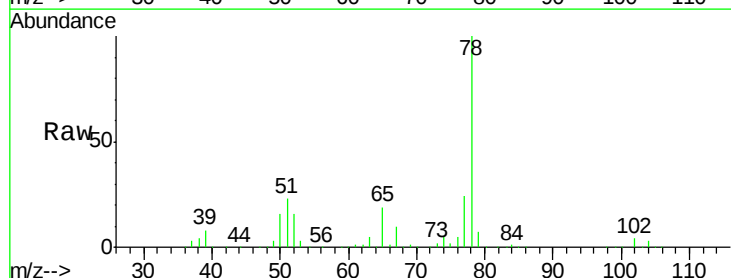
#30
Cyclohexane
Concen: 0.555 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW016132.D
Acq: 11 Aug 2020 13:37

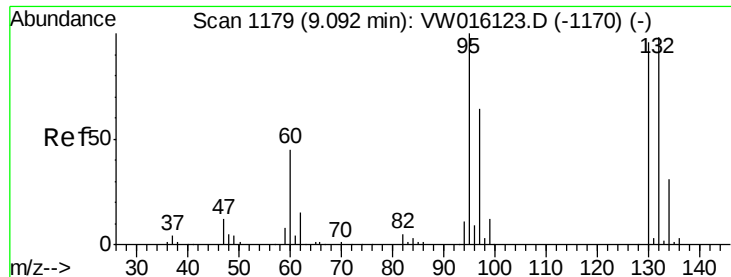
Instrument :
MSVOA_W
ClientSampleId :
GAY64MSD

Tot Ion: 56 Resp: 2678
Ion Ratio Lower Upper
56 100
69 32.6 25.4 38.0
84 94.1 73.0 109.6



#34
Benzene
Concen: 33.397 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW016132.D
Acq: 11 Aug 2020 13:37
Tgt Ion: 78 Resp: 426846





#35

Trichloroethene

Concen: 27.946 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016132.D

Acq: 11 Aug 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

GAY64MSD

Tot Ion: 95 Resp: 96041

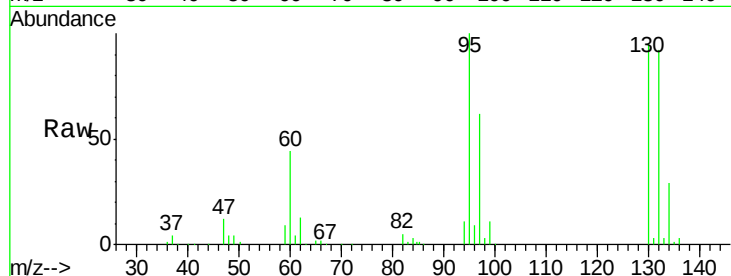
Ion Ratio Lower Upper

95 100

97 63.0 44.9 83.3

132 94.4 65.8 122.2

130 100.2 69.5 129.1

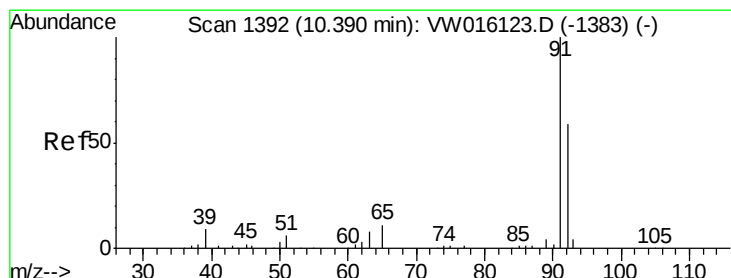
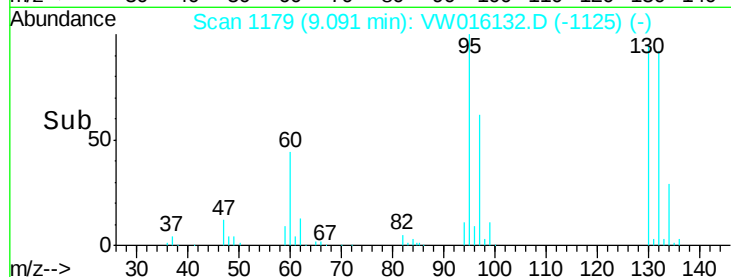
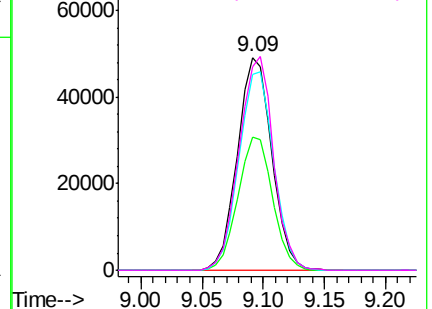


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#44

Toluene

Concen: 27.372 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016132.D

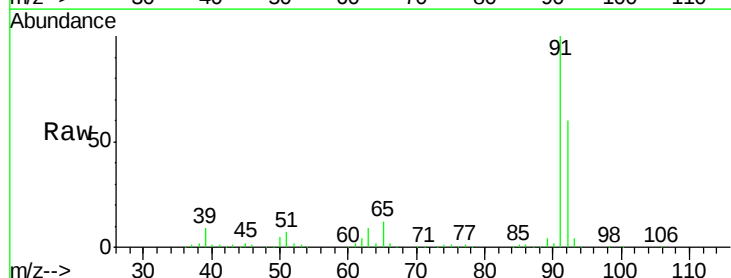
Acq: 11 Aug 2020 13:37

Tgt Ion: 91 Resp: 369294

Ion Ratio Lower Upper

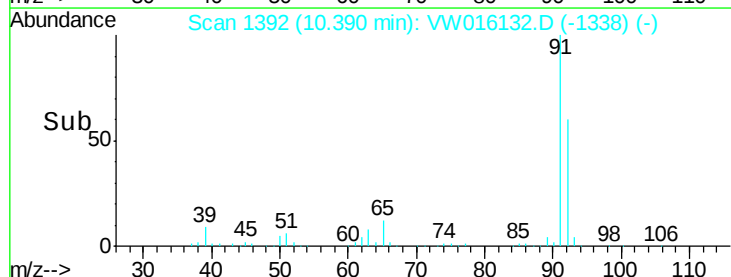
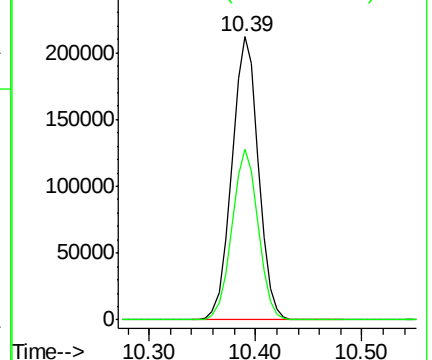
91 100

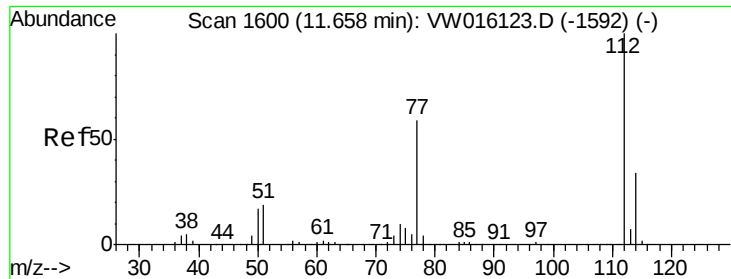
92 60.2 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52
Chlorobenzene
Concen: 21.197 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016132.D
Acq: 11 Aug 2020 13:37

Instrument :
MSVOA_W
ClientSampleId :
GAY64MSD

Tot Ion	Ratio	Lower	Upper
112	100		
77	57.8	49.1	73.7
114	30.6	23.5	43.7

