

Data File : VW011437.D
Acq On : 23 Jul 2019 11:26
Operator : SY/VA
Sample : K3922-03MSD
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52F0MSD

Quant Time: Jul 24 01:22:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 24 01:19:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	407546	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	306432	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	89364	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128189	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.24%
7) Chloroethane-d5	2.89	69	94717	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
10) 1,1-Dichloroethene-d2	4.02	63	278310	22.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.32%
20) 2-Butanone-d5	7.08	46	96317	41.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.14%
24) Chloroform-d	7.65	84	227285	21.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.12%
26) 1,2-Dichloroethane-d4	8.31	65	138351	22.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.16%
29) Benzene-d6	8.27	84	477272	26.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.16%
33) 1,2-Dichloropropane-d6	9.27	67	155857	26.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.00%
37) Toluene-d8	10.32	98	387030	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.24%
38) trans-1,3-Dichloropropene-	10.58	79	60629	23.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.56%
39) 2-Hexanone-d5	10.92	63	68094	52.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98463	20.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	70348	20.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.88%

Target Compounds

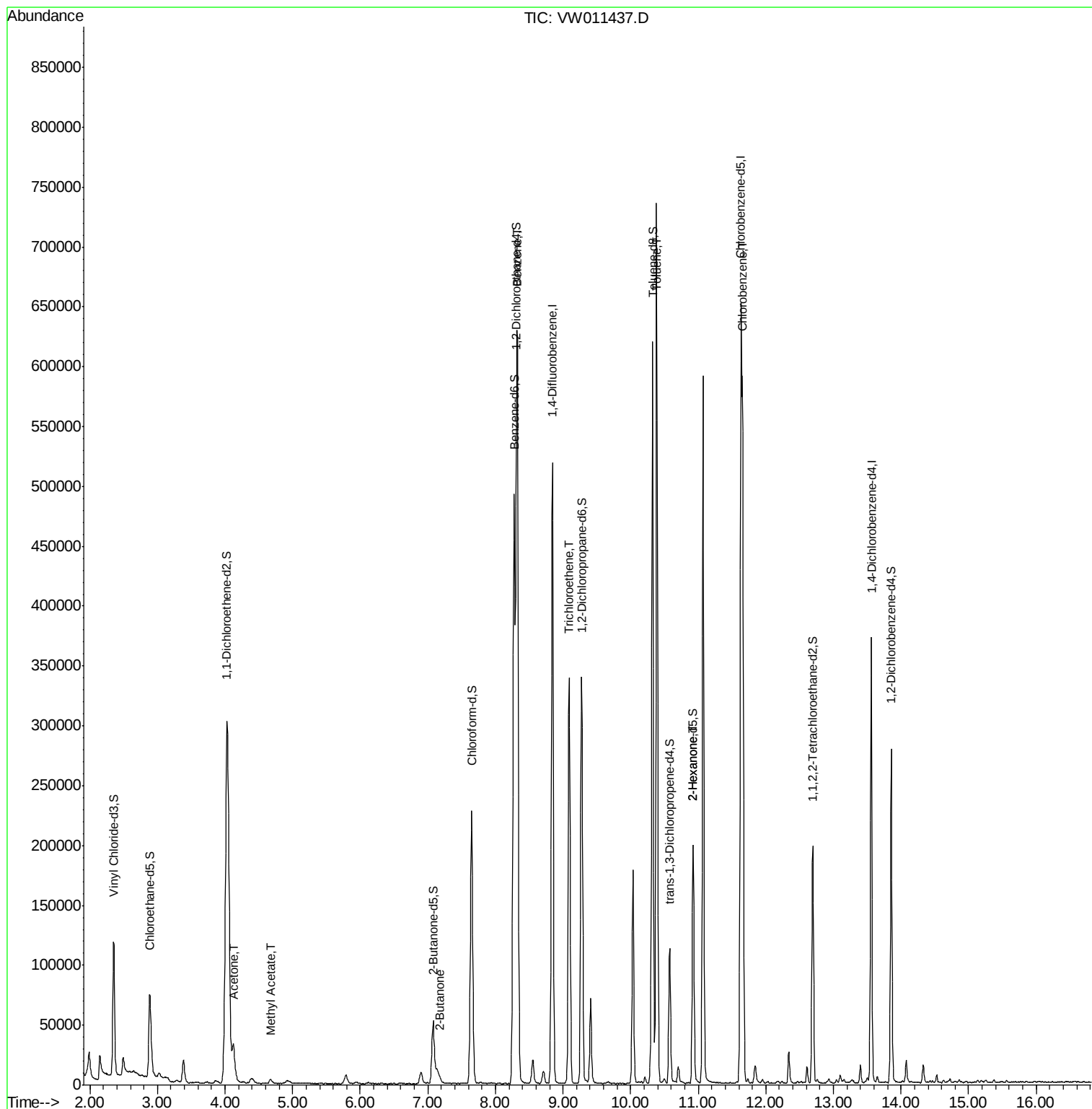
					Qvalue
13) Acetone	4.12	43	48423	19.755 ug/L	97
15) Methyl Acetate	4.68	43	6869	1.825 ug/L #	89
21) 2-Butanone	7.18	43	6640	2.108 ug/L	95
34) Benzene	8.32	78	517220	26.002 ug/L	100
35) Trichloroethene	9.09	95	119332	23.603 ug/L	99
44) Toluene	10.39	91	521621	25.566 ug/L	99
49) 2-Hexanone	10.92	43	9018	2.611 ug/L #	67
52) Chlorobenzene	11.66	112	263562	21.420 ug/L	99

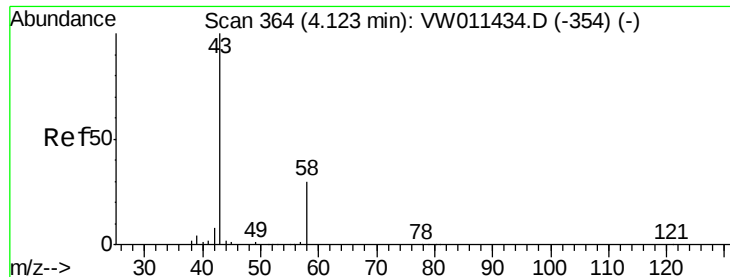
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 19.755 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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Acq: 23 Jul 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

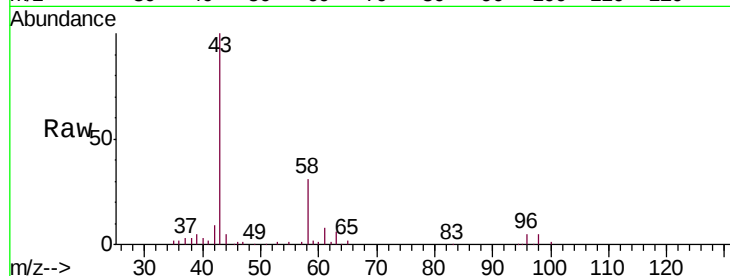
A52F0MSD

Tgt Ion: 43 Resp: 48423

Ion Ratio Lower Upper

43 100

58 30.0 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

20000

15000

10000

5000

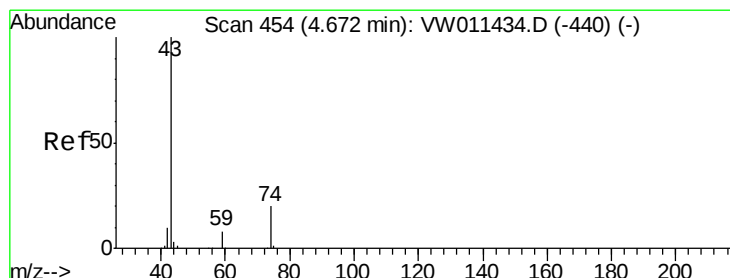
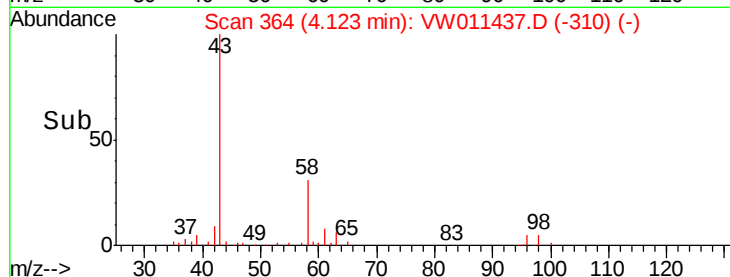
0

4.00

4.10

4.20

Time-->



#15

Methyl Acetate

Concen: 1.825 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011437.D

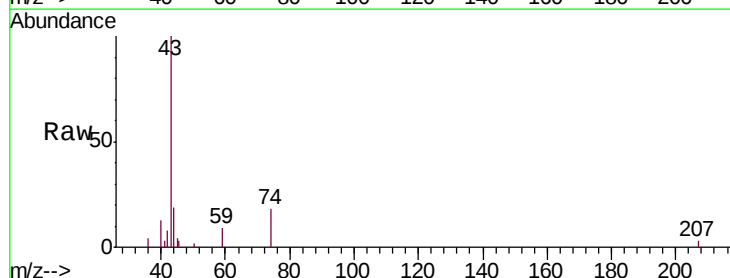
Acq: 23 Jul 2019 11:26

Tgt Ion: 43 Resp: 6869

Ion Ratio Lower Upper

43 100

74 14.2 15.2 22.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

3000

2500

2000

1500

1000

500

0

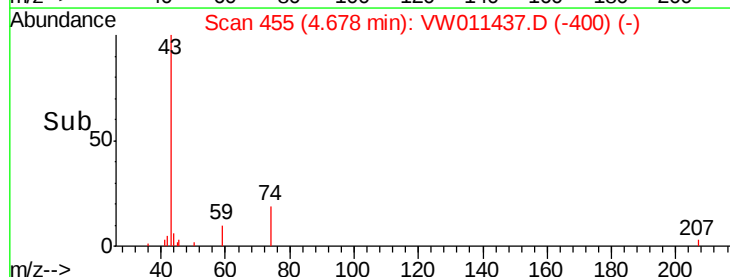
4.60

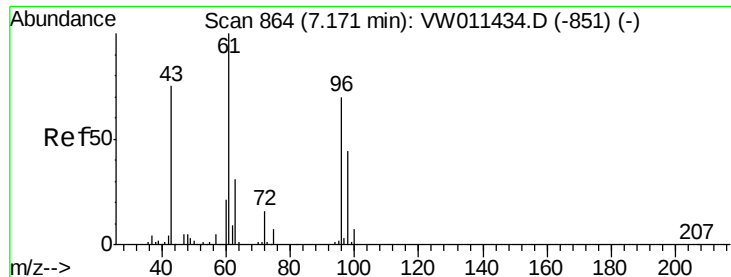
4.65

4.70

4.75

Time-->





#21

2-Butanone

Concen: 2.108 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

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Acq: 23 Jul 2019 11:26

Instrument :

MSVOA_W

ClientSampled :

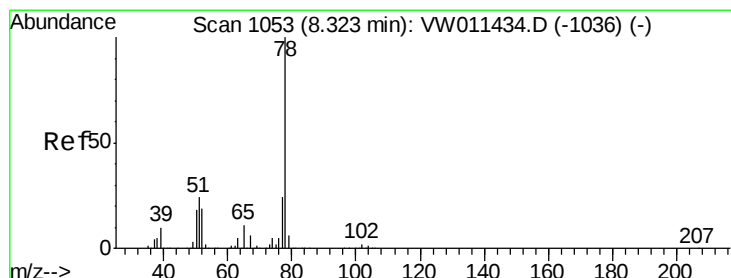
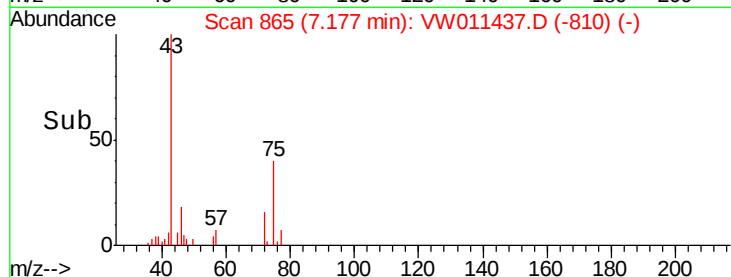
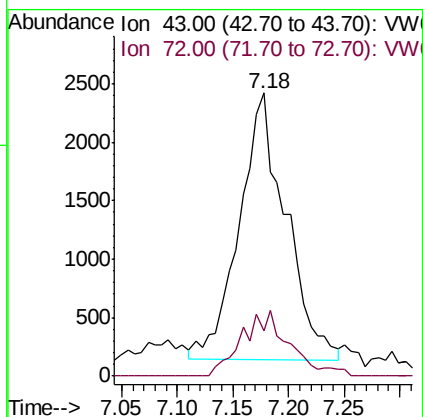
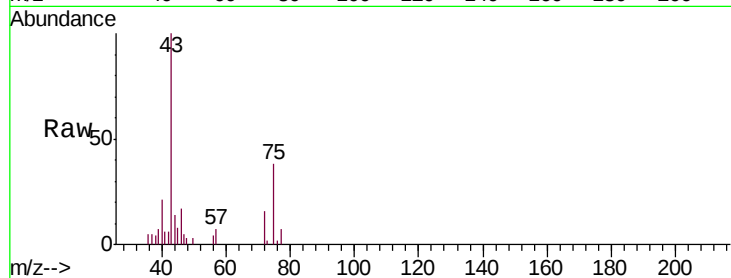
A52F0MSD

Tgt Ion: 43 Resp: 6640

Ion Ratio Lower Upper

43 100

72 23.5 10.5 31.6



#34

Benzene

Concen: 26.002 ug/L

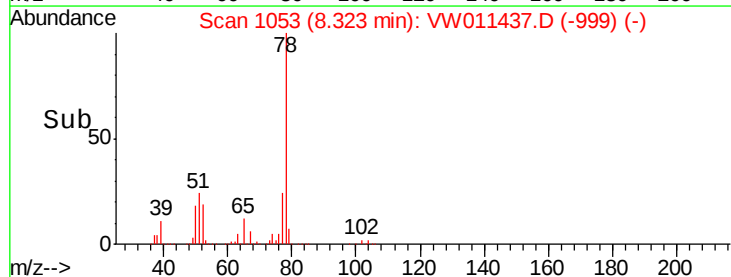
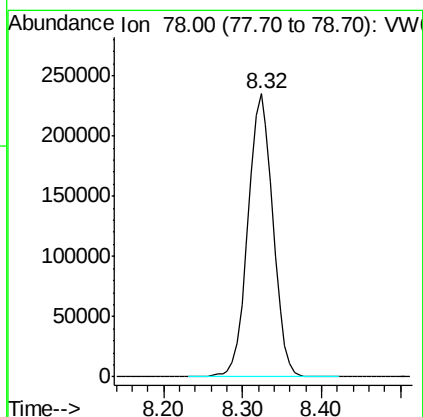
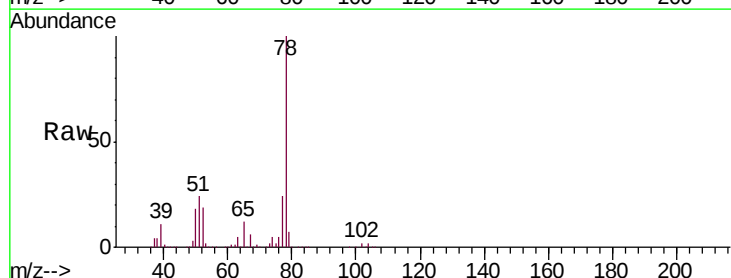
RT: 8.32 min Scan# 1053

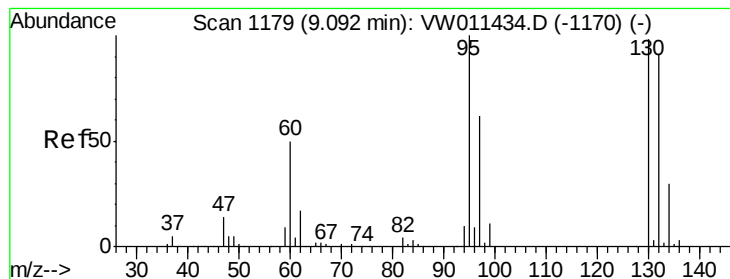
Delta R.T. 0.00 min

Lab File: VW011437.D

Acq: 23 Jul 2019 11:26

Tgt Ion: 78 Resp: 517220





#35

Trichloroethene

Concen: 23.603 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011437.D

Acq: 23 Jul 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

A52F0MSD

Tgt Ion: 95 Resp: 119332

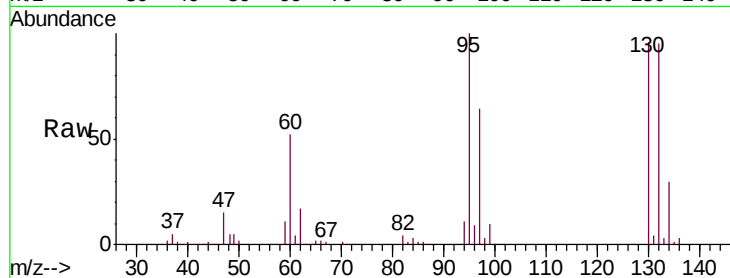
Ion Ratio Lower Upper

95 100

97 63.8 44.6 82.8

132 93.4 66.0 122.6

130 96.2 68.4 127.0

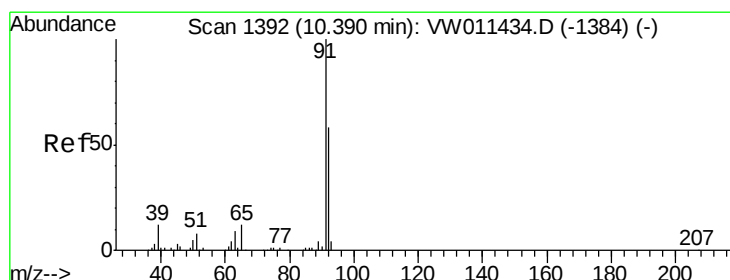
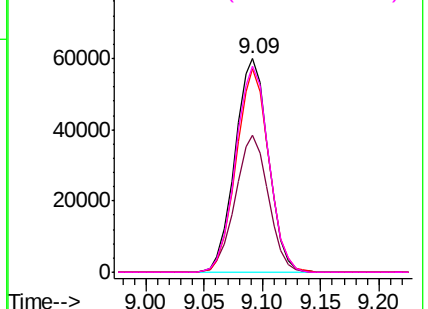
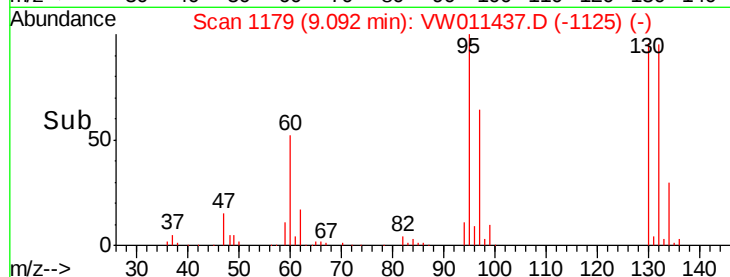


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.566 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011437.D

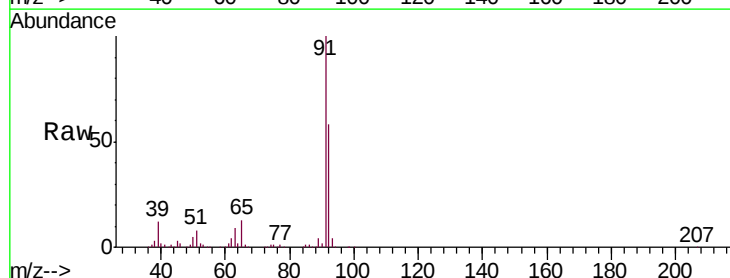
Acq: 23 Jul 2019 11:26

Tgt Ion: 91 Resp: 521621

Ion Ratio Lower Upper

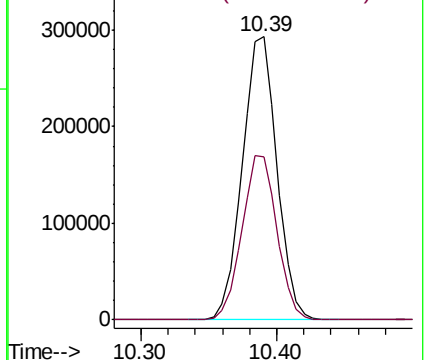
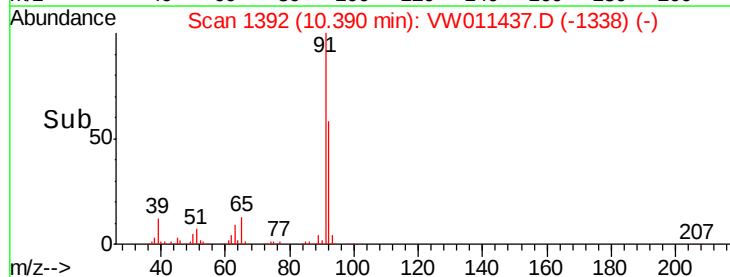
91 100

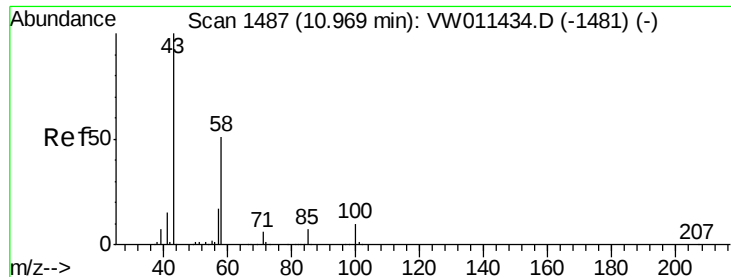
92 57.8 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#49

2-Hexanone

Concen: 2.611 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW011437.D

Acq: 23 Jul 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

A52F0MSD

Tgt Ion: 43 Resp: 9018

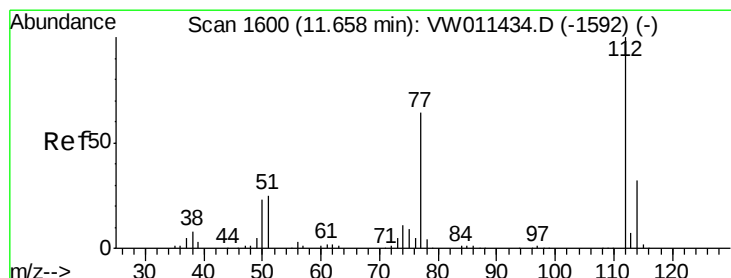
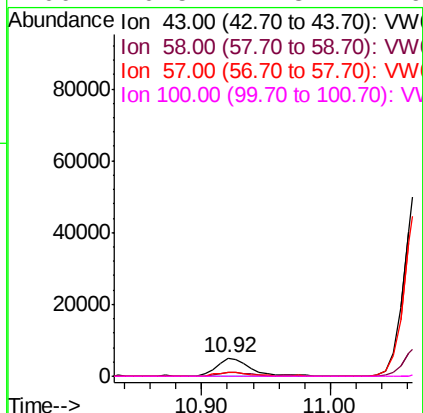
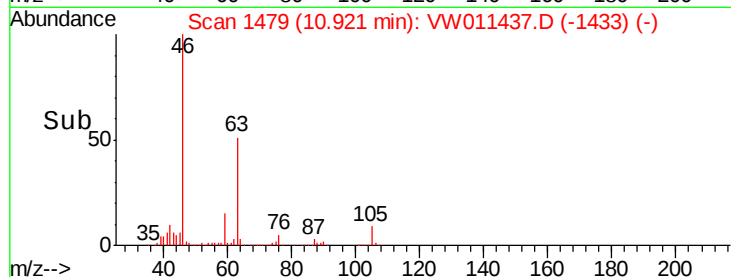
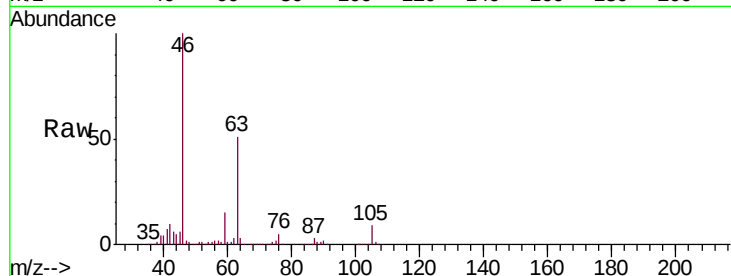
Ion Ratio Lower Upper

43 100

58 21.4 40.1 60.1#

57 23.4 13.8 20.6#

100 0.5 7.8 11.6#



#52

Chlorobenzene

Concen: 21.420 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011437.D

Acq: 23 Jul 2019 11:26

Tgt Ion: 112 Resp: 263562

Ion Ratio Lower Upper

112 100

77 64.0 52.2 78.2

114 32.3 22.0 41.0

