

Data File : VW006939.D
Acq On : 19 Nov 2018 11:37
Operator : SY/AP
Sample : VW1119SBL01
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB84

Quant Time: Nov 20 06:21:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 20 06:18:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	170586	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	166330	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	81619	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	31578	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.40%
7) Chloroethane-d5	2.89	69	24483	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.00%
10) 1,1-Dichloroethene-d2	4.01	63	63148	15.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.44%
20) 2-Butanone-d5	7.09	46	31123	37.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.58%
24) Chloroform-d	7.65	84	75098	19.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.56%
26) 1,2-Dichloroethane-d4	8.31	65	50347	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.48%
29) Benzene-d6	8.27	84	171652	19.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.96%
33) 1,2-Dichloropropane-d6	9.27	67	52010	19.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.16%
37) Toluene-d8	10.32	98	178610	20.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.24%
38) trans-1,3-Dichloropropene-	10.58	79	21657	18.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.76%
39) 2-Hexanone-d5	10.93	63	22556	34.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	46319	20.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	65852	21.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.24%

Target Compounds

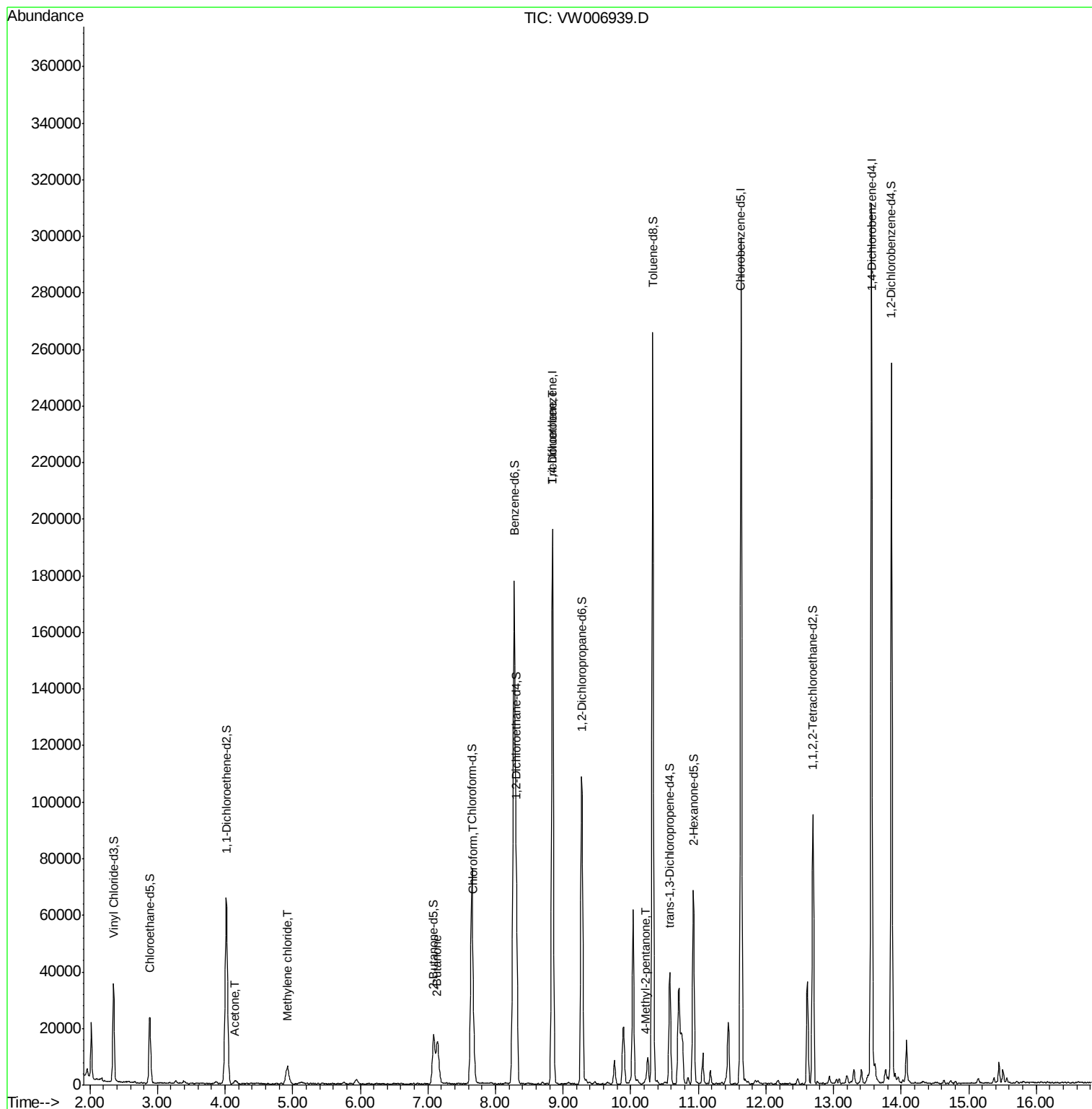
					Qvalue
13) Acetone	4.15	43	808	1.503 ug/L	100
16) Methylene chloride	4.92	84	4931	1.653 ug/L	98
21) 2-Butanone	7.15	43	509	0.549 ug/L #	48
25) Chloroform	7.67	83	9302	2.215 ug/L	91
35) Trichloroethene	8.84	95	5230	2.064 ug/L #	6
43) 4-Methyl-2-pentanone	10.22	43	1131	0.630 ug/L #	60

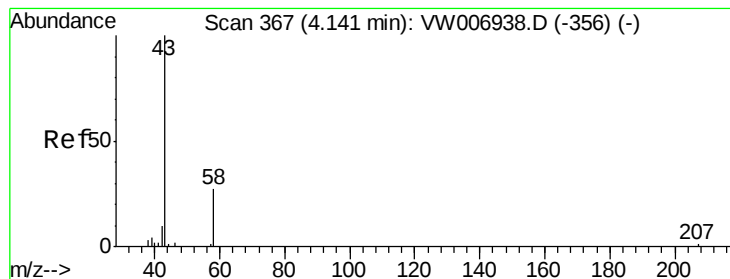
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.503 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampled :

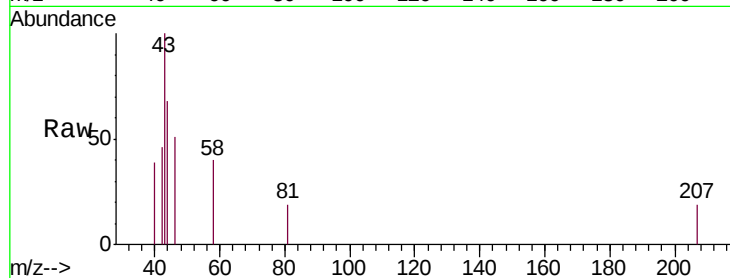
BFB84

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

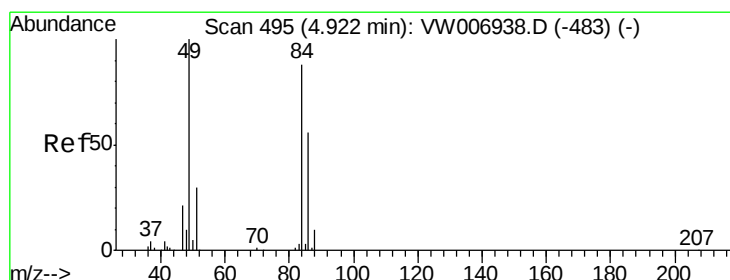
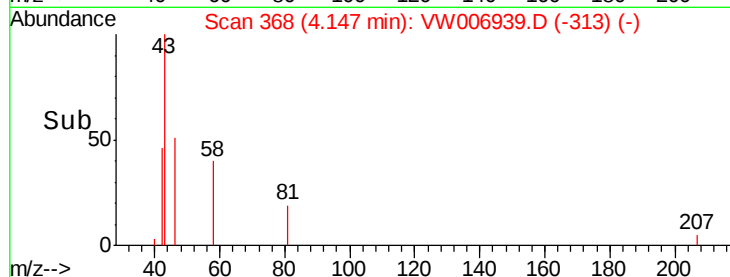
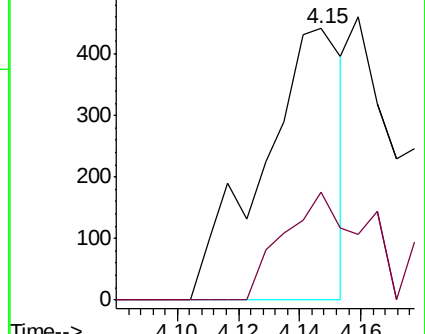
43 100

58 32.5 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.653 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

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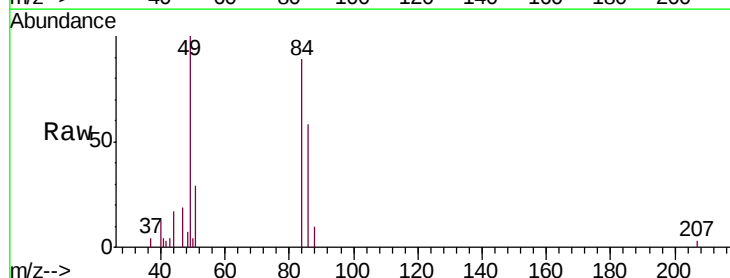
Tgt Ion: 84 Resp: 4931

Ion Ratio Lower Upper

84 100

49 111.8 79.3 147.3

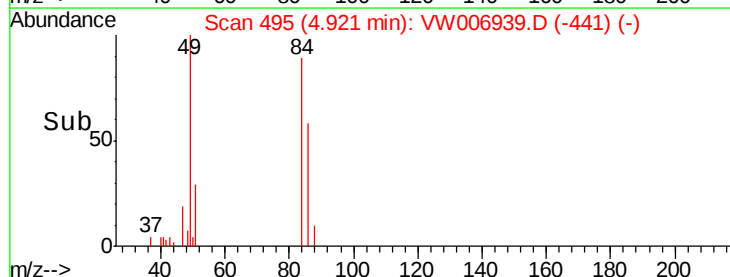
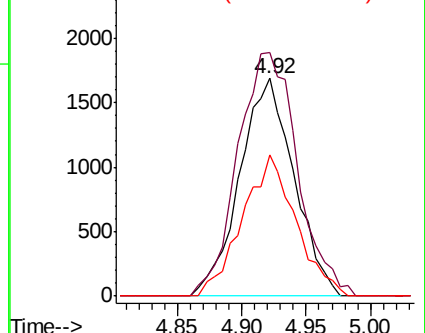
86 65.1 43.5 80.9

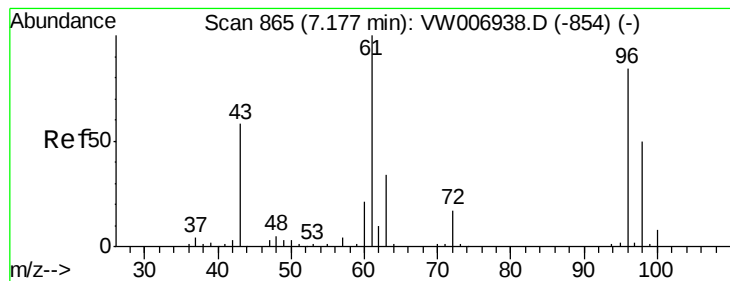


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 0.549 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

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Instrument :

MSVOA_W

ClientSampleId :

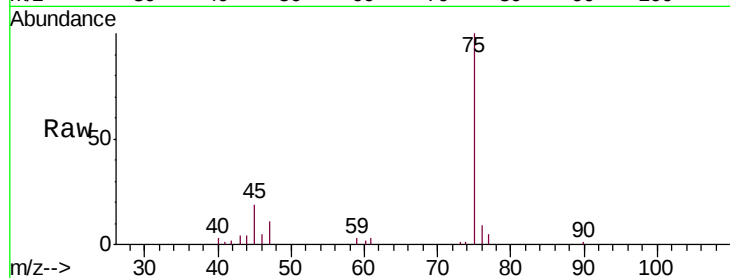
BFB84

Tgt Ion: 43 Resp: 509

Ion Ratio Lower Upper

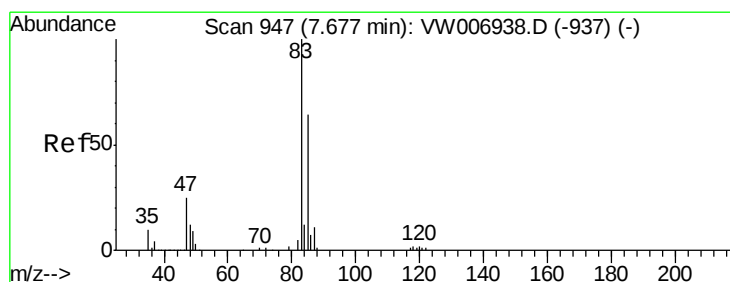
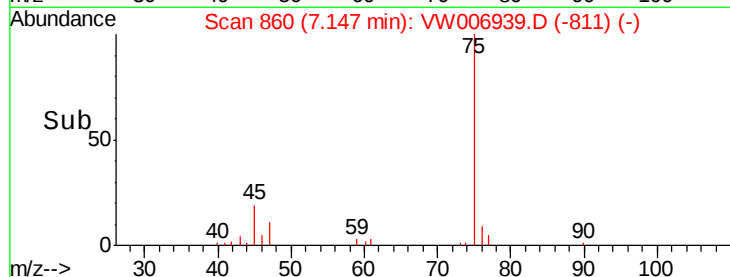
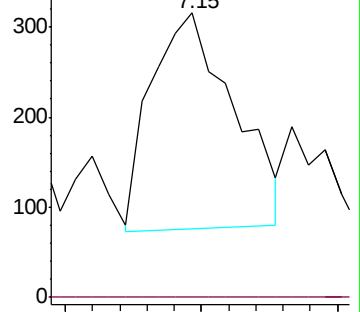
43 100

72 0.0 13.5 40.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#25

Chloroform

Concen: 2.215 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

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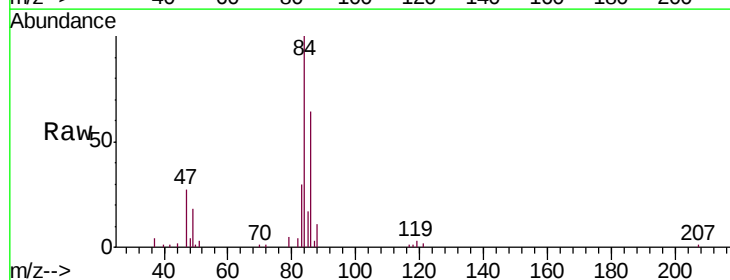
Acq: 19 Nov 2018 11:37

Tgt Ion: 83 Resp: 9302

Ion Ratio Lower Upper

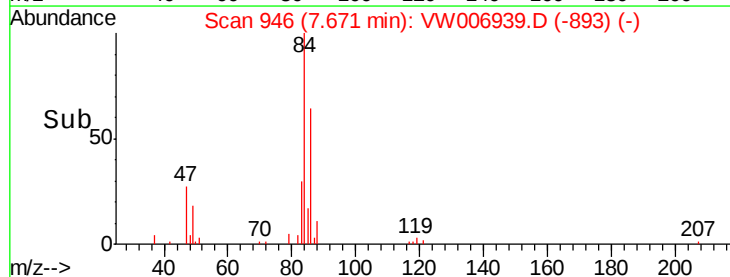
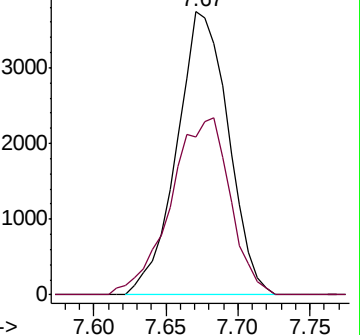
83 100

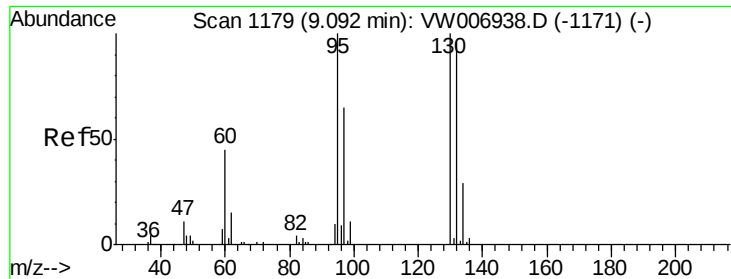
85 71.7 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#35

Trichloroethene

Concen: 2.064 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW006939.D

Acq: 19 Nov 2018 11:37

Instrument :

MSVOA_W

ClientSampleId :

BFB84

Tgt Ion: 95 Resp: 5230

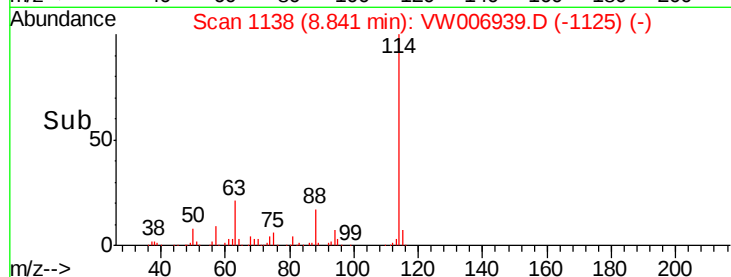
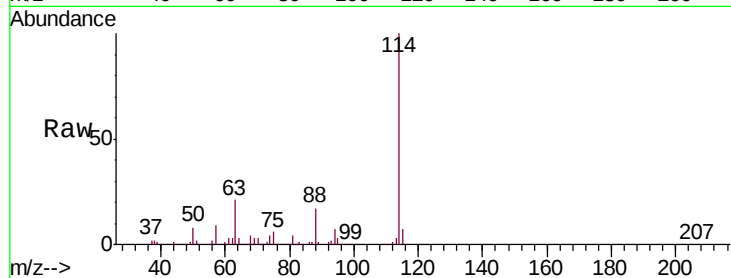
Ion Ratio Lower Upper

95 100

97 0.0 45.1 83.9#

132 0.0 65.7 121.9#

130 0.0 68.7 127.7#

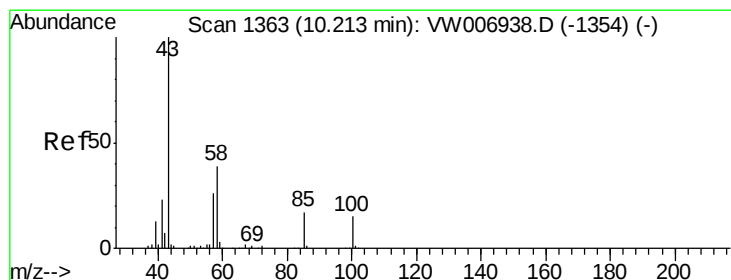
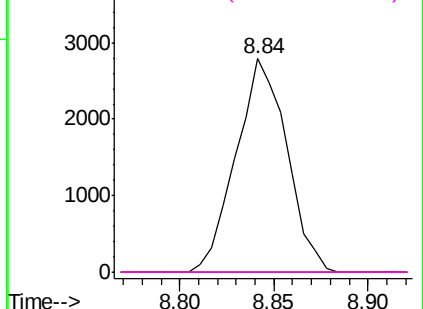


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#43

4-Methyl-2-pentanone

Concen: 0.630 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006939.D

Acq: 19 Nov 2018 11:37

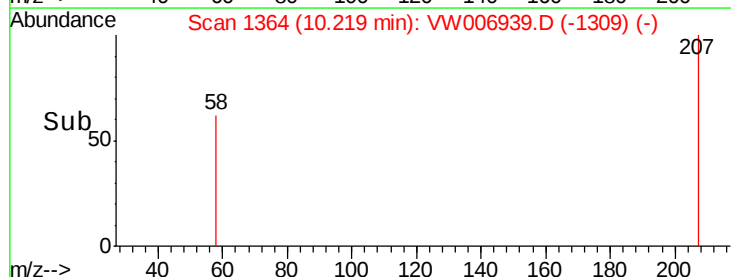
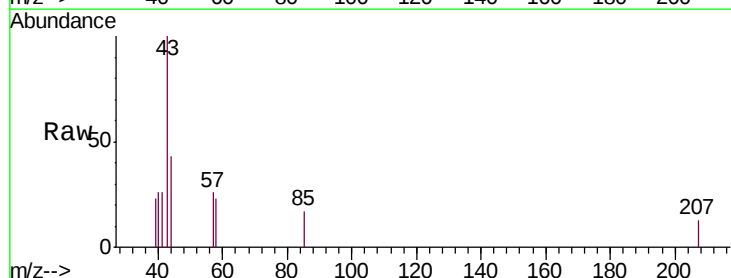
Tgt Ion: 43 Resp: 1131

Ion Ratio Lower Upper

43 100

58 14.4 31.6 47.4#

100 0.0 12.3 18.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

