

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
 Data File : VW009844.D
 Acq On : 09 Apr 2019 18:39
 Operator : SY/VA
 Sample : K2218-08
 Misc : 4.52G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5Z8RE

Quant Time: Apr 10 04:45:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 04:42:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	465677	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	401146	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	133252	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	144964	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.16%
7) Chloroethane-d5	2.89	69	136685	24.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.92%
10) 1,1-Dichloroethene-d2	4.01	63	265811	20.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.12%
20) 2-Butanone-d5	7.07	46	142104	71.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.64%#
24) Chloroform-d	7.65	84	370872	29.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.76%
26) 1,2-Dichloroethane-d4	8.31	65	235419	30.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.72%
29) Benzene-d6	8.27	84	671643	31.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	127.56%
33) 1,2-Dichloropropane-d6	9.27	67	214596	32.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	131.96%#
37) Toluene-d8	10.32	98	563636	28.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.80%
38) trans-1,3-Dichloropropene-	10.58	79	87274	28.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.52%
39) 2-Hexanone-d5	10.93	63	86718	70.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.48%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	191897	31.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.92%#
61) 1,2-Dichlorobenzene-d4	13.85	152	139427	29.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	119.28%

Target Compounds

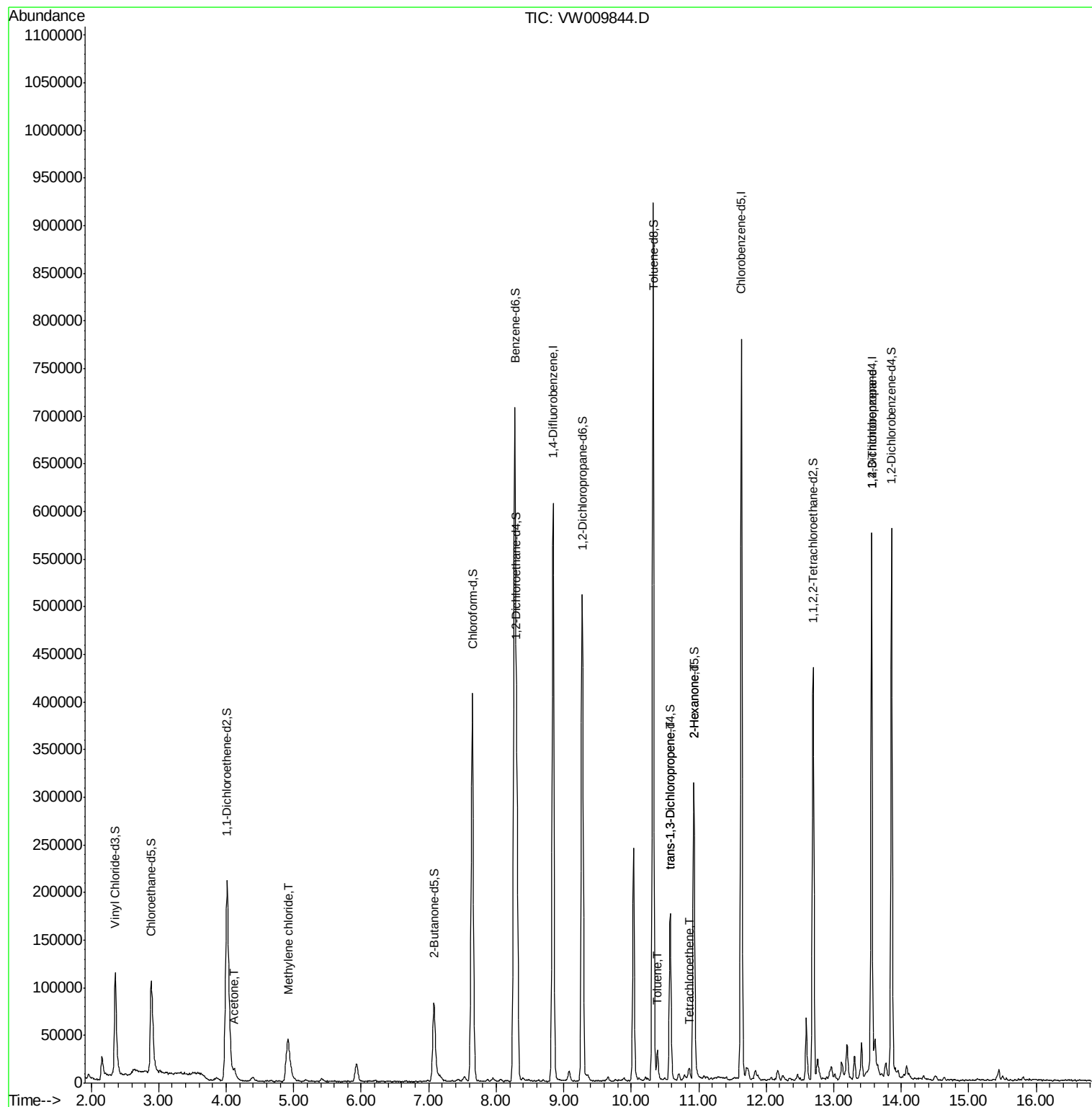
					Qvalue
13) Acetone	4.12	43	15077	7.112 ug/L	96
16) Methylene chloride	4.92	84	39634	4.826 ug/L	91
44) Toluene	10.38	91	20521	0.803 ug/L	86
45) trans-1,3-Dichloropropene	10.58	75	5701	0.691 ug/L	84
47) Tetrachloroethene	10.86	164	1884	0.379 ug/L	84
49) 2-Hexanone	10.93	43	14435	4.040 ug/L #	78
59) 1,2,3-Trichloropropane	13.56	75	18606	4.008 ug/L	92

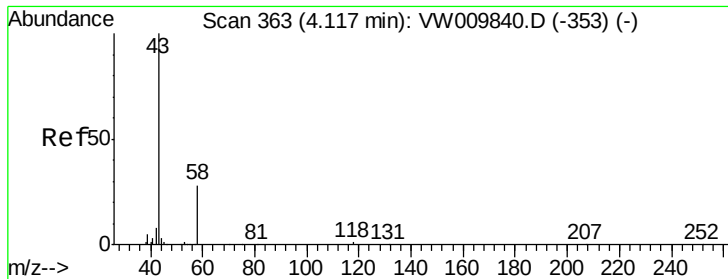
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.112 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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MSVOA_W

ClientSampleId :

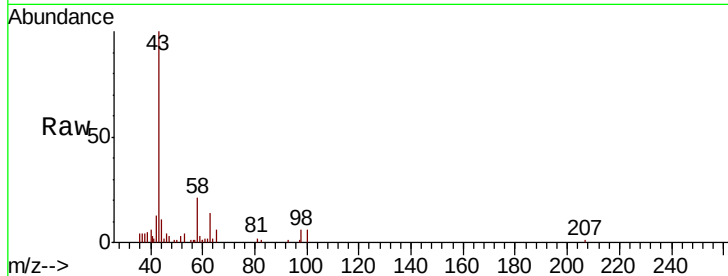
BF5Z8RE

Tgt Ion: 43 Resp: 15077

Ion Ratio Lower Upper

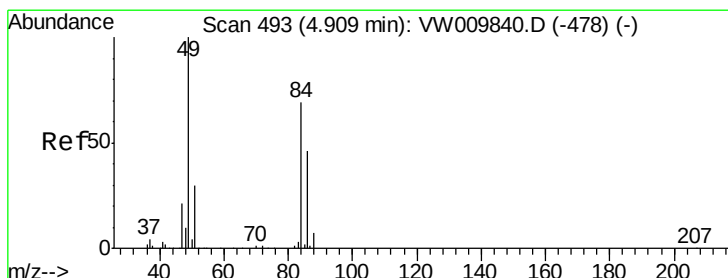
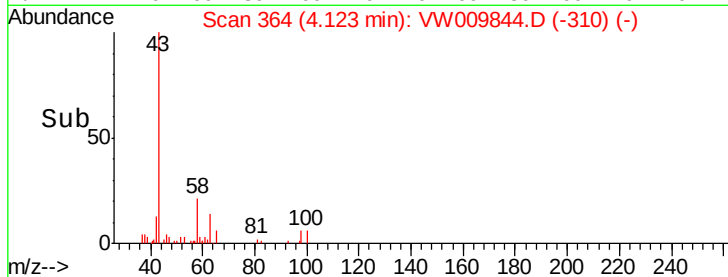
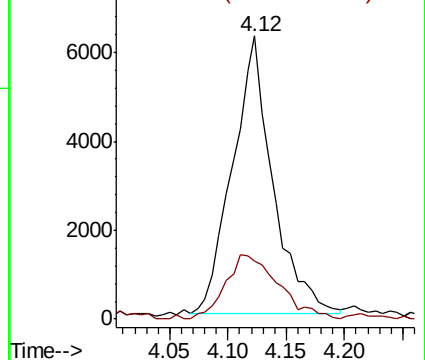
43 100

58 28.4 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 4.826 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009844.D

Acq: 09 Apr 2019 18:39

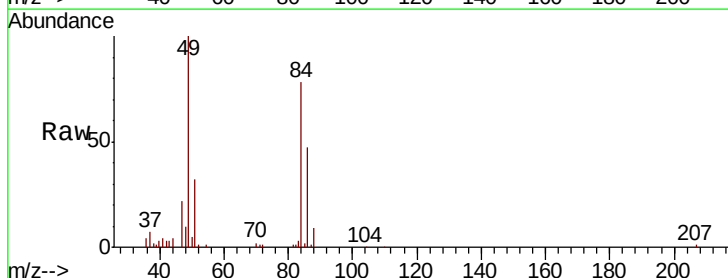
Tgt Ion: 84 Resp: 39634

Ion Ratio Lower Upper

84 100

49 128.9 98.3 182.5

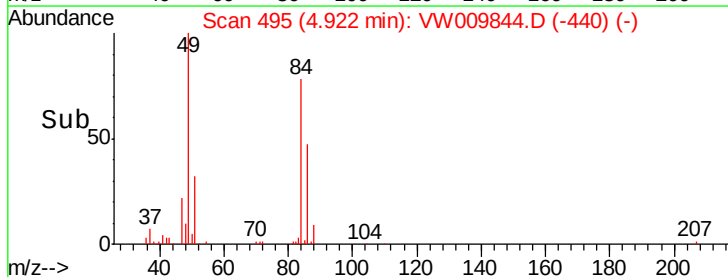
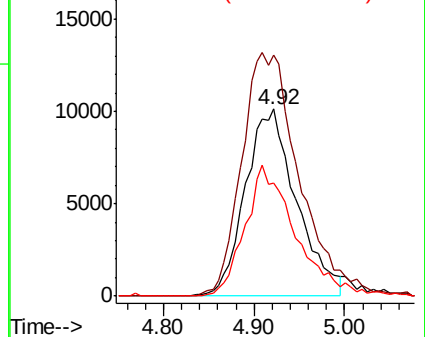
86 60.6 46.4 86.2

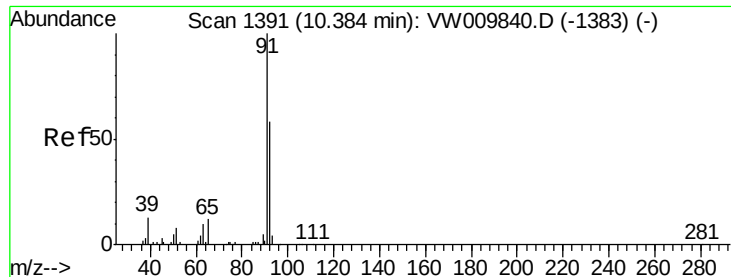


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#44

Toluene

Concen: 0.803 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

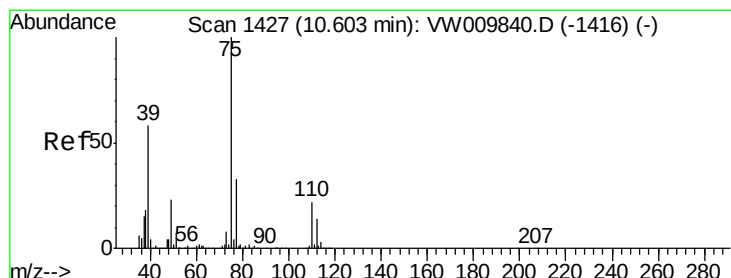
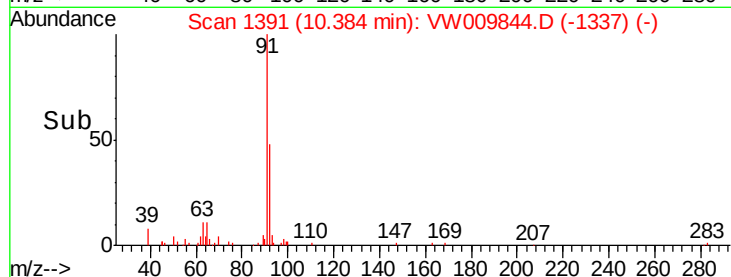
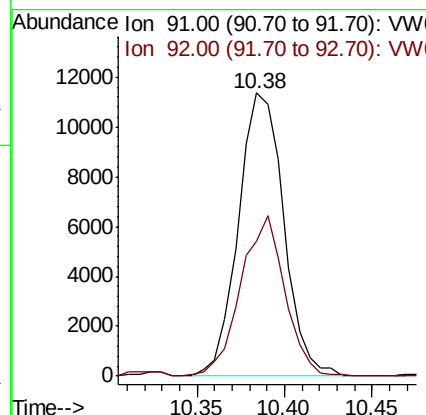
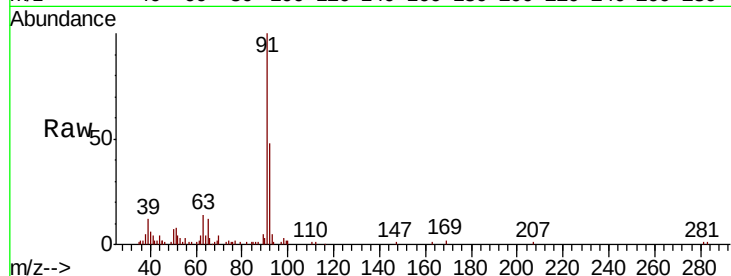
BF5Z8RE

Tgt Ion: 91 Resp: 20521

Ion Ratio Lower Upper

91 100

92 47.7 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 0.691 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009844.D

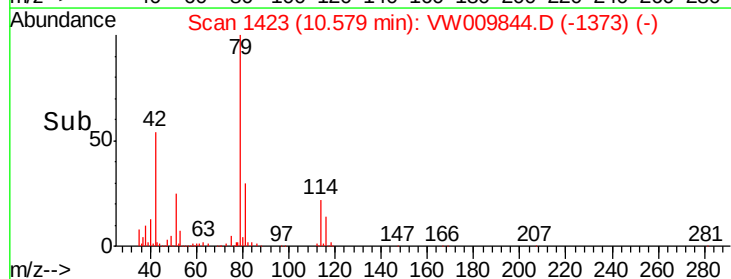
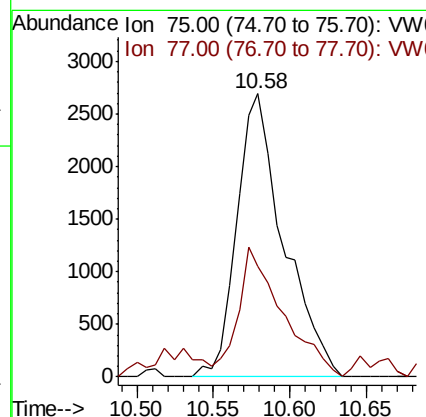
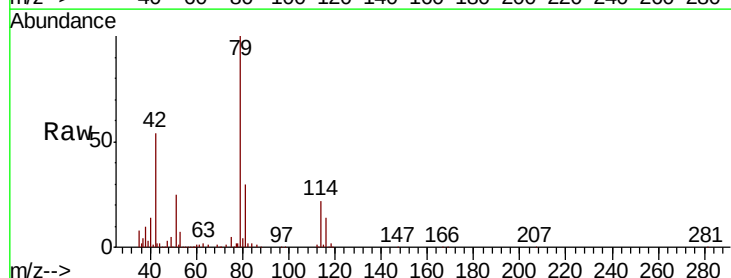
Acq: 09 Apr 2019 18:39

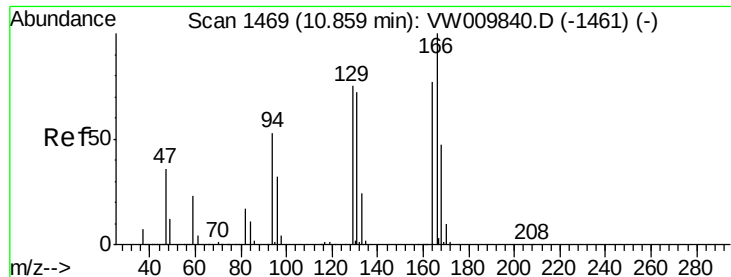
Tgt Ion: 75 Resp: 5701

Ion Ratio Lower Upper

75 100

77 38.9 21.1 39.3





#47

Tetrachloroethene

Concen: 0.379 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009844.D

Acq: 09 Apr 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

BF5Z8RE

Tgt Ion:164 Resp: 1884

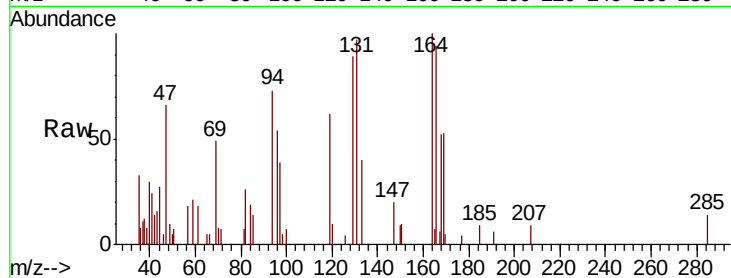
Ion Ratio Lower Upper

164 100

129 89.0 68.9 127.9

131 97.0 63.1 117.1

166 94.5 88.5 164.4



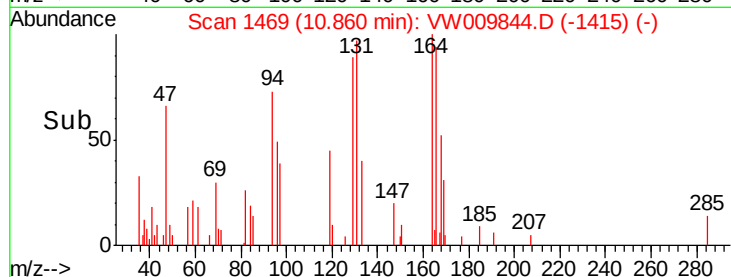
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

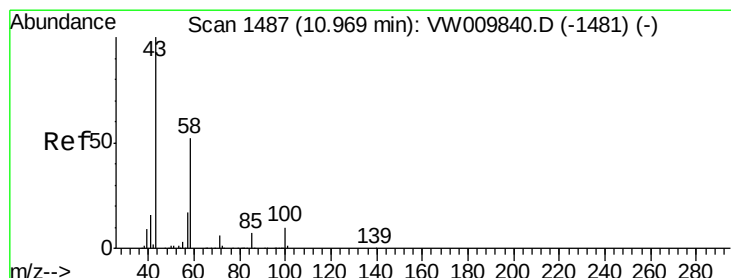
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time--> 10.80 10.85 10.90



Time--> 10.80 10.85 10.90



#49

2-Hexanone

Concen: 4.040 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009844.D

Acq: 09 Apr 2019 18:39

Tgt Ion: 43 Resp: 14435

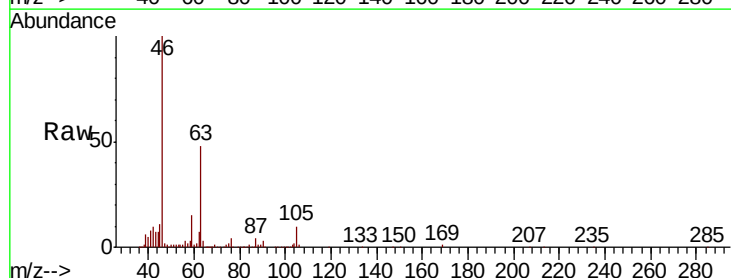
Ion Ratio Lower Upper

43 100

58 36.7 38.9 58.3#

57 32.6 13.8 20.6#

100 2.4 8.6 13.0#



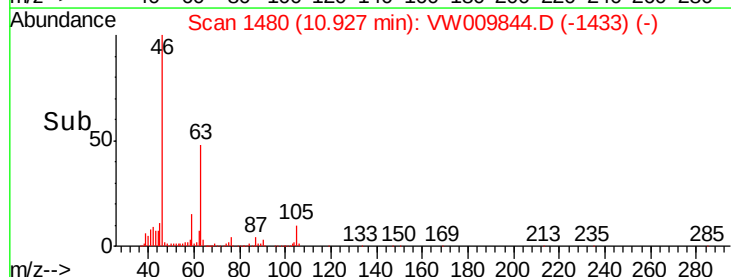
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

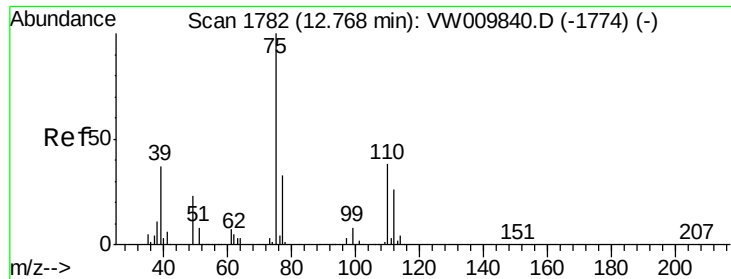
Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

Time--> 10.90 10.95



Time--> 10.90 10.95



#59

1,2,3-Trichloropropane

Concen: 4.008 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009844.D

Acq: 09 Apr 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

BF5Z8RE

Tgt Ion: 75 Resp: 18606

Ion Ratio Lower Upper

75 100

77 36.9 26.2 39.2

