

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091418\
 Data File : VW005372.D
 Acq On : 14 Sep 2018 01:25
 Operator : SY/AP
 Sample : J4865-09
 Misc : 4.91G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DB3N7

Quant Time: Sep 14 06:58:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 06:56:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	94699	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	102062	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	45373	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	25114	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
7) Chloroethane-d5	2.89	69	22475	29.08	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.32%
10) 1,1-Dichloroethene-d2	4.03	63	37520	19.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.92%
20) 2-Butanone-d5	7.09	46	21802	52.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.92%
24) Chloroform-d	7.65	84	58010	32.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	131.36%
26) 1,2-Dichloroethane-d4	8.31	65	42409	37.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	150.16%#
29) Benzene-d6	8.28	84	113017	27.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.32%
33) 1,2-Dichloropropane-d6	9.28	67	36352	31.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.32%#
37) Toluene-d8	10.33	98	103582	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.80%
38) trans-1,3-Dichloropropene-	10.59	79	17166	29.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.32%
39) 2-Hexanone-d5	10.93	63	15964	43.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	36914	30.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.72%#
61) 1,2-Dichlorobenzene-d4	13.86	152	41884	30.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	123.04%#

Target Compounds

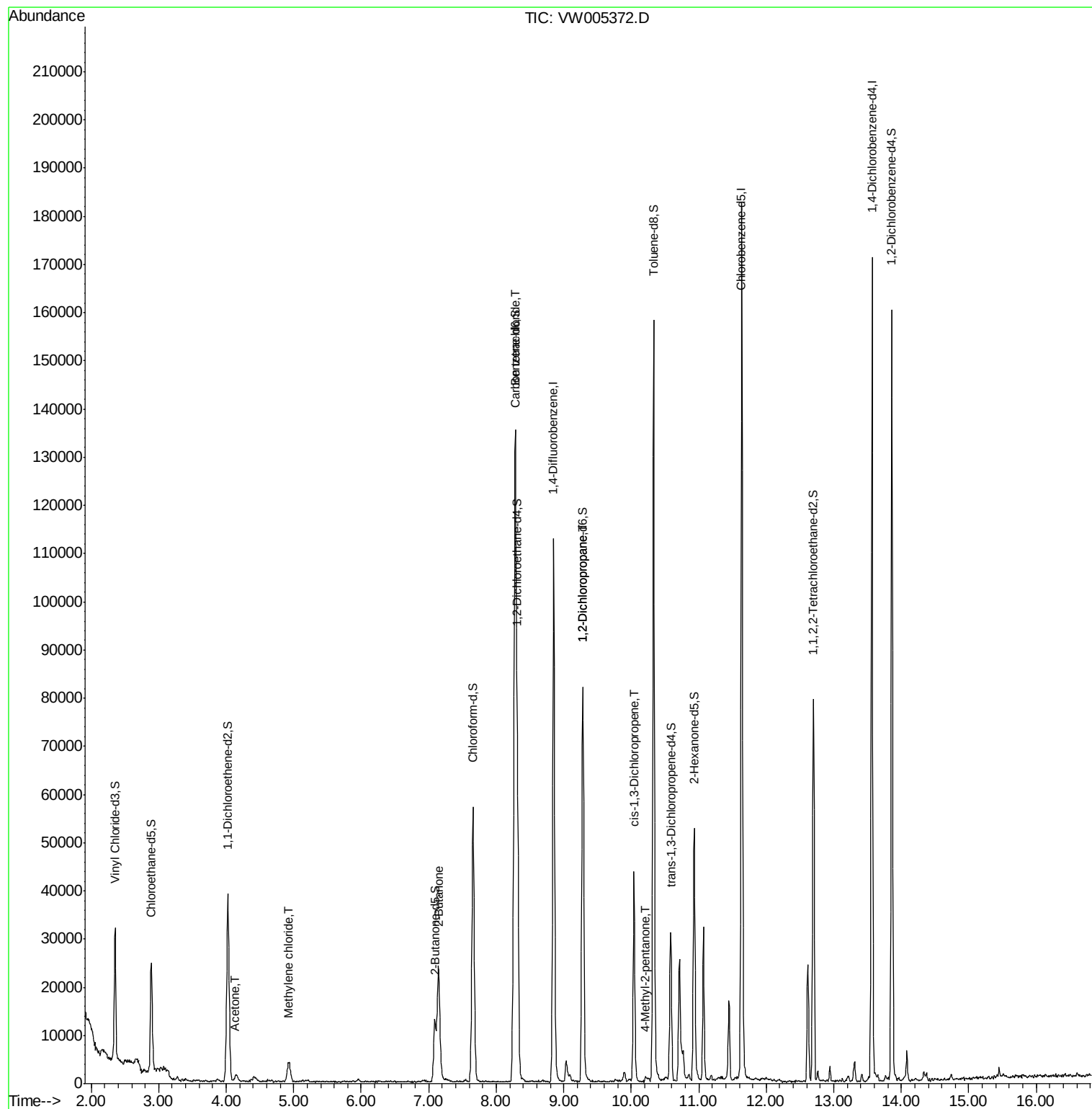
					Qvalue
13) Acetone	4.14	43	2050	5.304 ug/L	98
16) Methylene chloride	4.92	84	3215	1.788 ug/L	74
21) 2-Butanone	7.15	43	1512	2.553 ug/L #	52
32) Carbon tetrachloride	8.27	117	949	0.441 ug/L #	24
40) 1,2-Dichloropropane	9.28	63	4329	3.084 ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	1183	0.571 ug/L #	58
43) 4-Methyl-2-pentanone	10.22	43	826	0.615 ug/L #	81

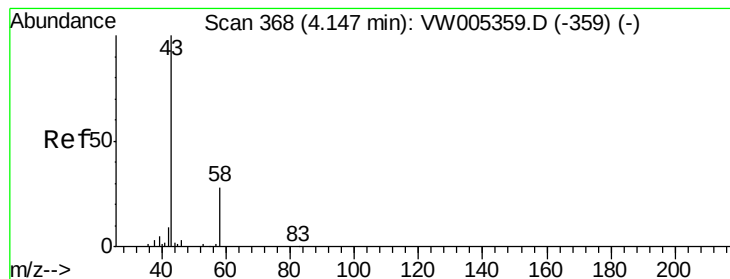
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.304 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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MSVOA_W

ClientSampleId :

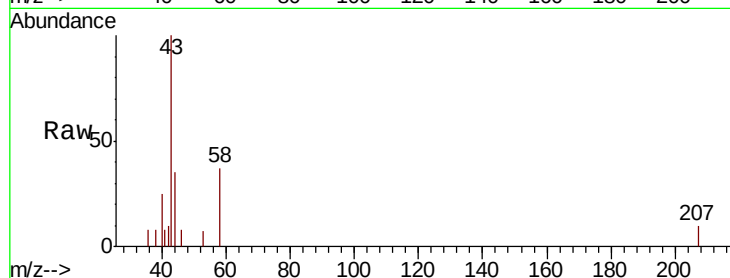
DB3N7

Tgt Ion: 43 Resp: 2050

Ion Ratio Lower Upper

43 100

58 30.0 0.0 57.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800

600

400

200

0

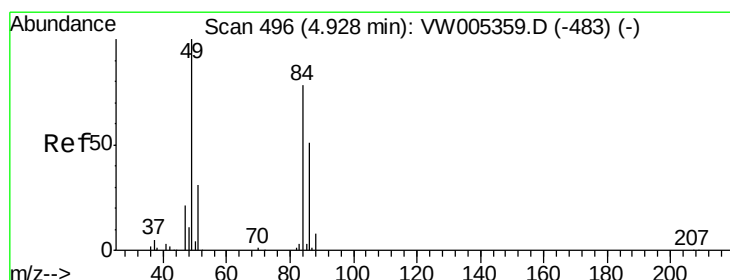
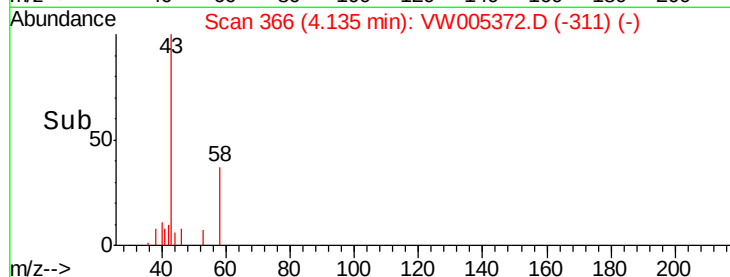
4.10

4.14

4.15

4.20

Time-->



#16

Methylene chloride

Concen: 1.788 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW005372.D

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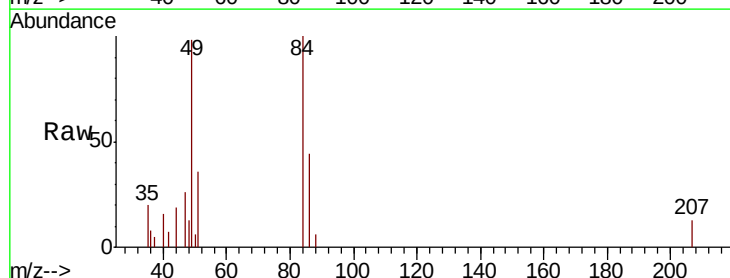
Tgt Ion: 84 Resp: 3215

Ion Ratio Lower Upper

84 100

49 97.5 90.9 168.7

86 44.3 43.6 81.0



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

1500

1000

500

0

4.85

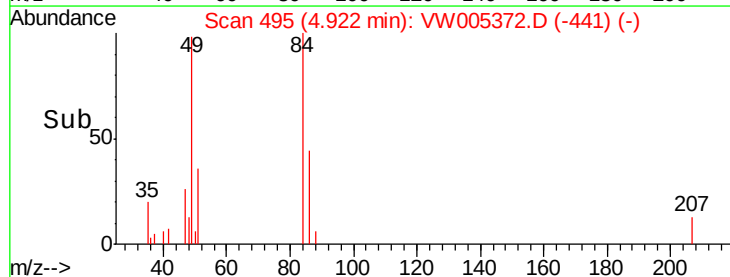
4.90

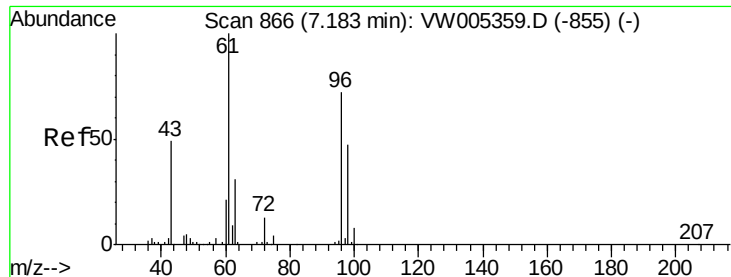
4.92

4.95

5.00

Time-->





#21

2-Butanone

Concen: 2.553 ug/L

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005372.D

Acq: 14 Sep 2018 01:25

Instrument :

MSVOA_W

ClientSampleId :

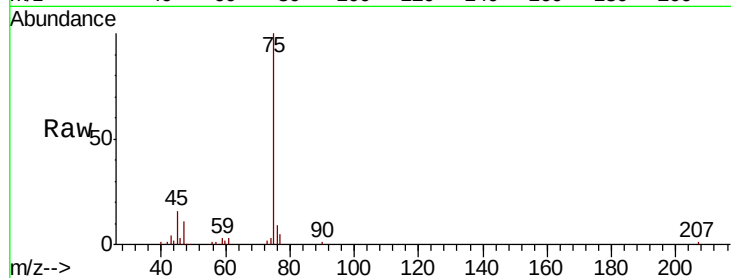
DB3N7

Tgt Ion: 43 Resp: 1512

Ion Ratio Lower Upper

43 100

72 0.0 11.8 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

600

500

400

300

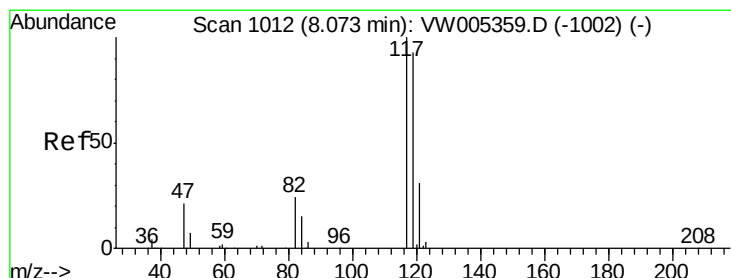
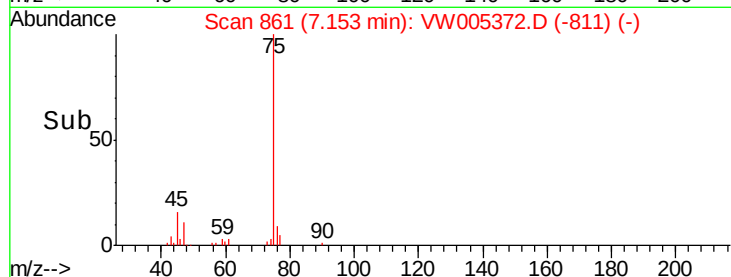
200

100

0

7.10 7.15 7.20

Time-->



#32

Carbon tetrachloride

Concen: 0.441 ug/L

RT: 8.27 min Scan# 1044

Delta R.T. 0.20 min

Lab File: VW005372.D

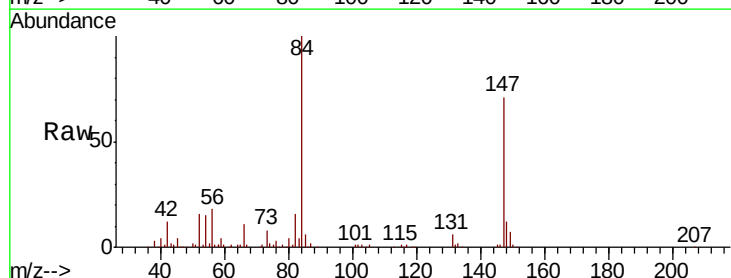
Acq: 14 Sep 2018 01:25

Tgt Ion: 117 Resp: 949

Ion Ratio Lower Upper

117 100

119 21.5 77.0 115.6#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.27

400

300

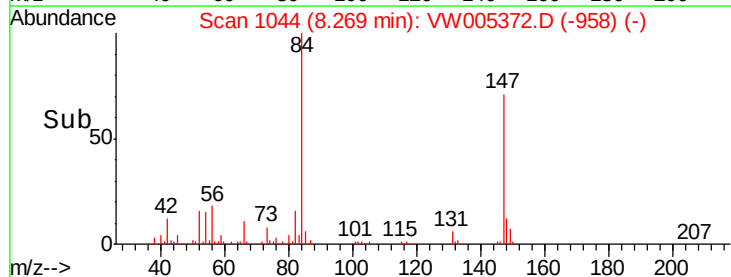
200

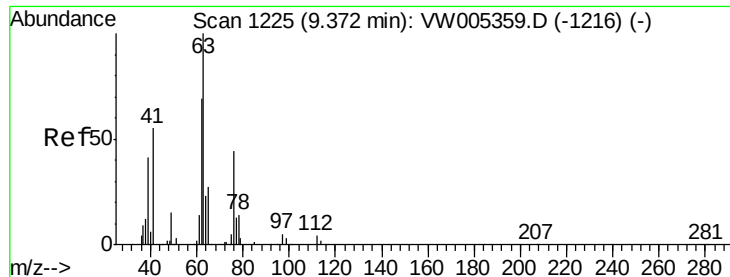
100

0

8.20 8.25 8.30

Time-->





#40

1,2-Dichloropropane

Concen: 3.084 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.10 min

Lab File: VW005372.D

Acq: 14 Sep 2018 01:25

Instrument :

MSVOA_W

ClientSampleId :

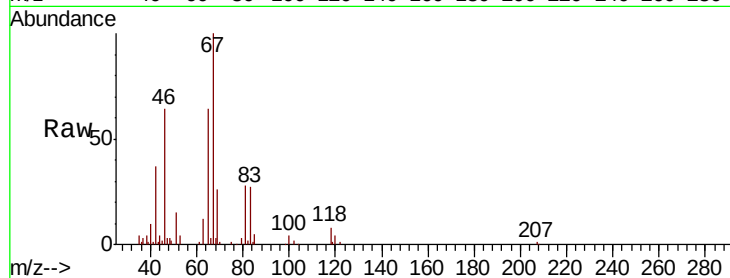
DB3N7

Tgt Ion: 63 Resp: 4329

Ion Ratio Lower Upper

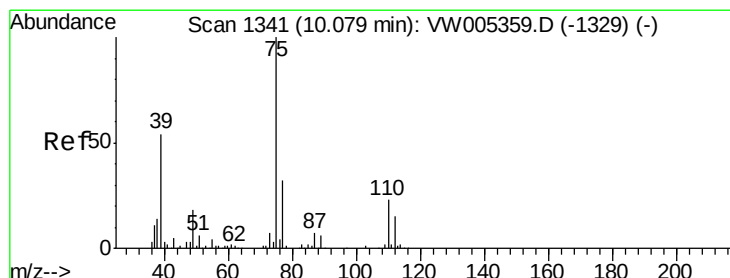
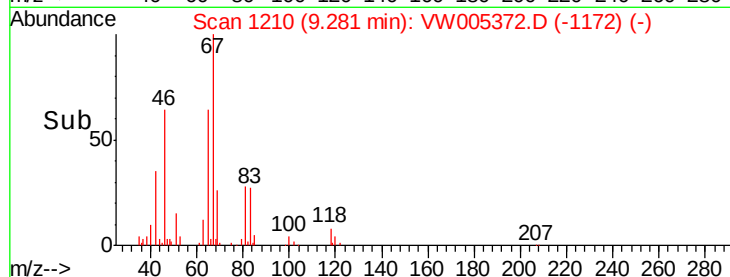
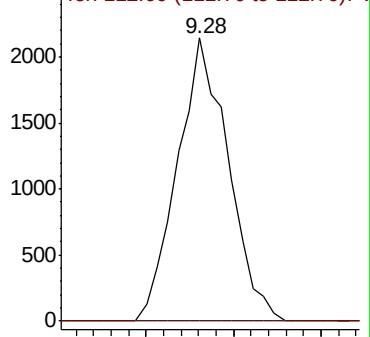
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.571 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.04 min

Lab File: VW005372.D

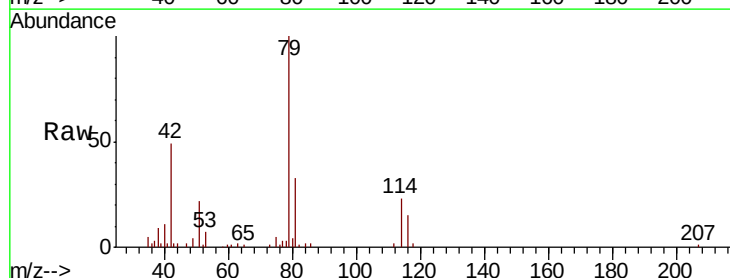
Acq: 14 Sep 2018 01:25

Tgt Ion: 75 Resp: 1183

Ion Ratio Lower Upper

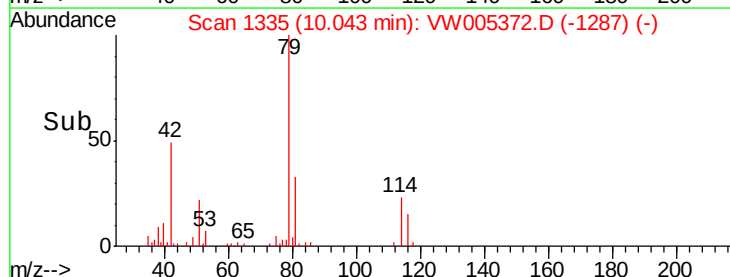
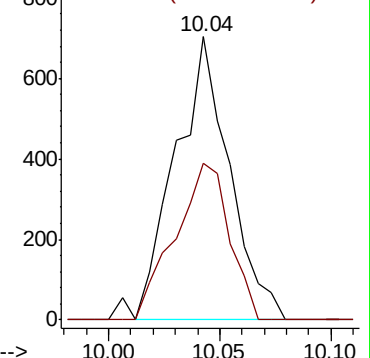
75 100

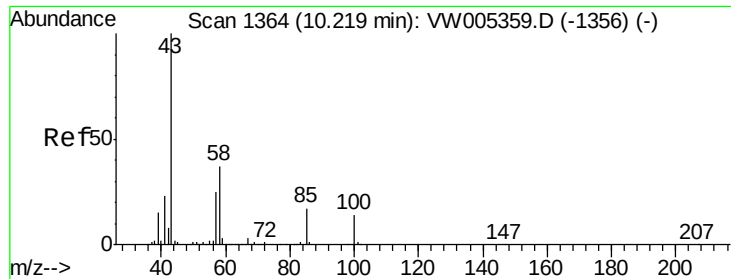
77 55.2 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#43

4-Methyl-2-pentanone

Concen: 0.615 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005372.D

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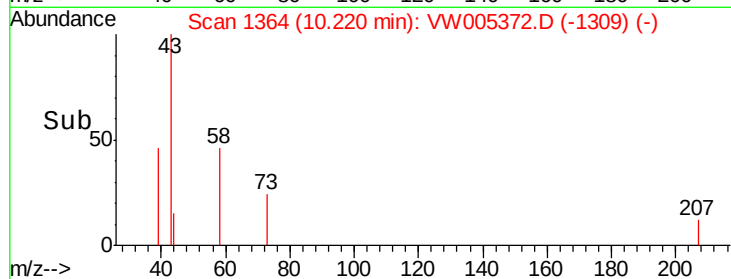
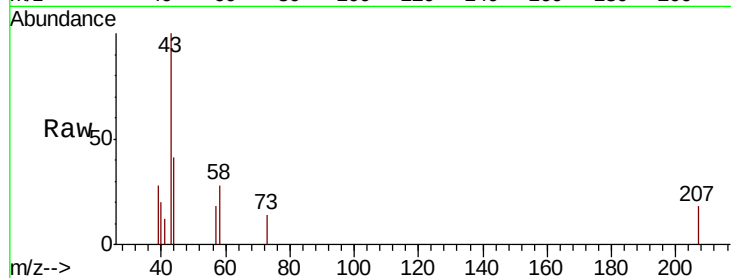
Tgt Ion: 43 Resp: 826

Ion Ratio Lower Upper

43 100

58 29.9 29.8 44.8

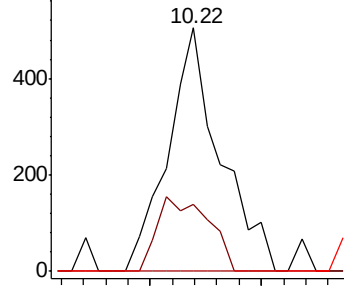
100 0.0 11.4 17.0#



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



Time-->