

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
 Data File : VW009482.D
 Acq On : 27 Mar 2019 00:05
 Operator : SY/VA
 Sample : K2065-17
 Misc : 5.38G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 27 08:08:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 08:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	289009	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	272365	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	107408	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	62699	18.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.60%
7) Chloroethane-d5	2.89	69	71588	17.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.84%
10) 1,1-Dichloroethene-d2	4.01	63	107798	14.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.76%
20) 2-Butanone-d5	7.09	46	67115	46.99	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.98%
24) Chloroform-d	7.64	84	182376	23.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	8.30	65	114200	24.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.16%
29) Benzene-d6	8.27	84	311020	20.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.84%
33) 1,2-Dichloropropane-d6	9.27	67	106017	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.00%
37) Toluene-d8	10.32	98	255878	18.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.68%
38) trans-1,3-Dichloropropene-	10.58	79	42733	18.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.44%
39) 2-Hexanone-d5	10.93	63	45425	41.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	104730	23.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	89902	21.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.32%

Target Compounds

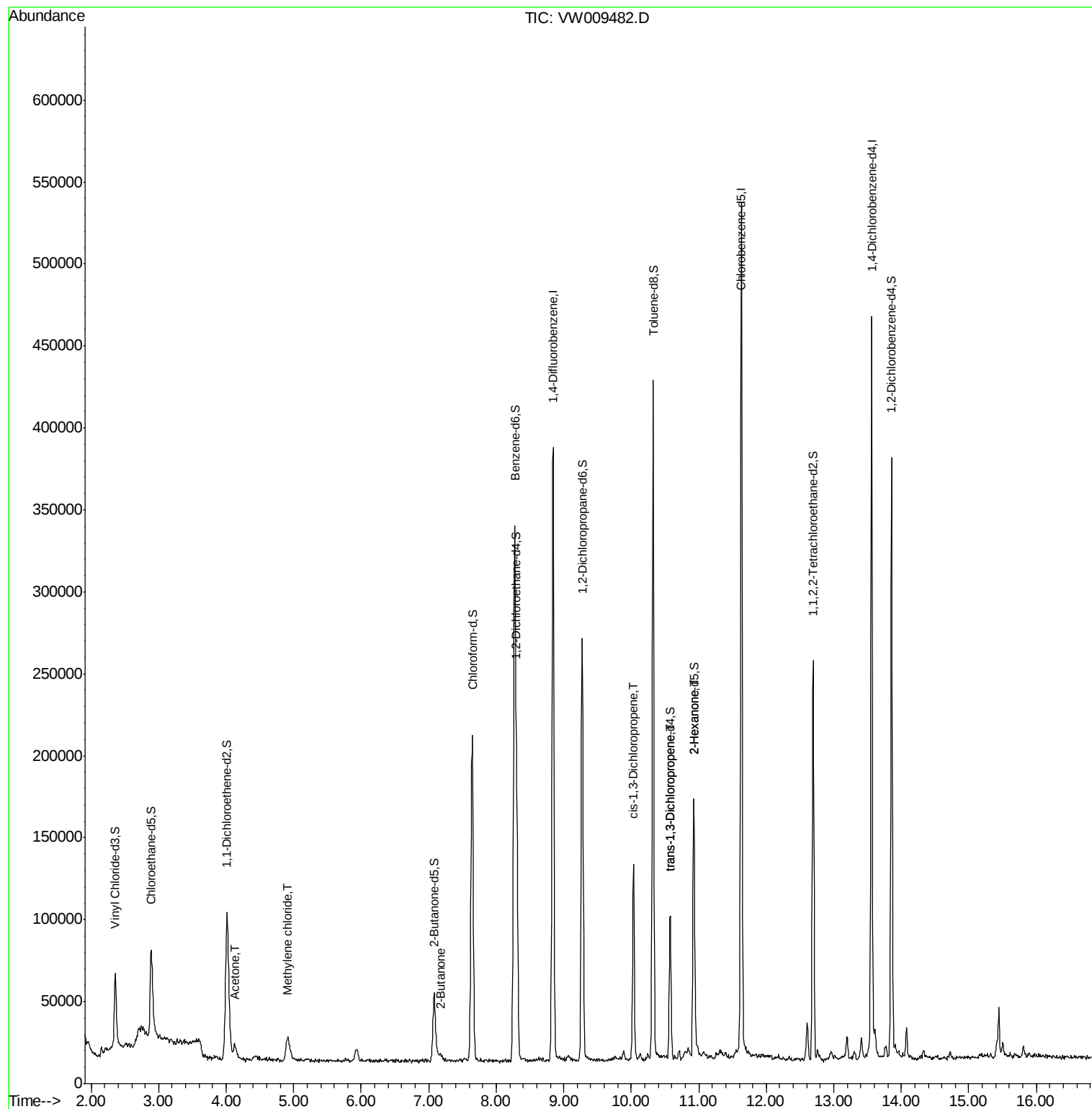
					Ovalue
13) Acetone	4.13	43	16547	14.127 ug/L	73
16) Methylene chloride	4.90	84	5437	1.290 ug/L	89
21) 2-Butanone	7.17	43	2721	1.682 ug/L	78
42) cis-1,3-Dichloropropene	10.04	75	3626	0.582 ug/L #	82
45) trans-1,3-Dichloropropene	10.57	75	2315	0.427 ug/L #	74
49) 2-Hexanone	10.93	43	10354	4.241 ug/L #	69

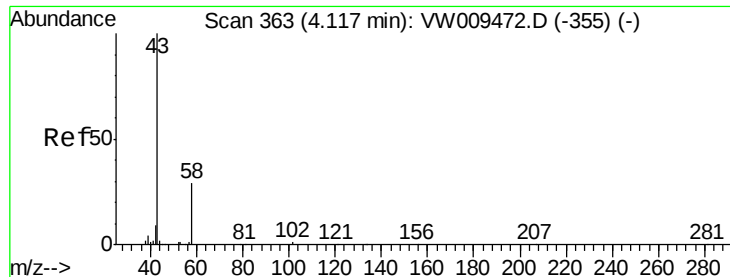
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 27 08:01:36 2019
Response via : Initial Calibration





#13

Acetone

Concen: 14.127 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009482.D

Acq: 27 Mar 2019 00:05

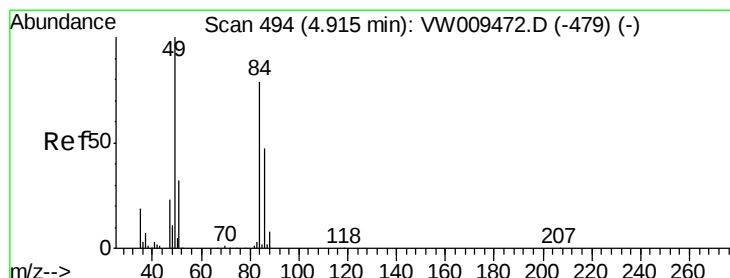
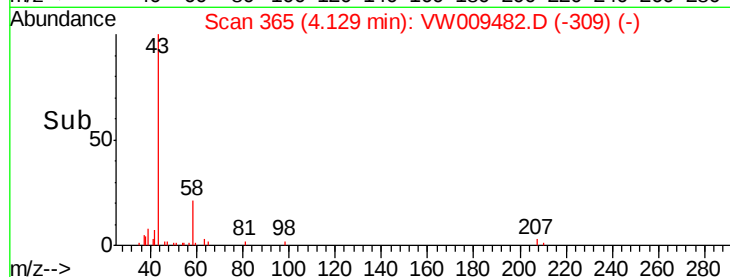
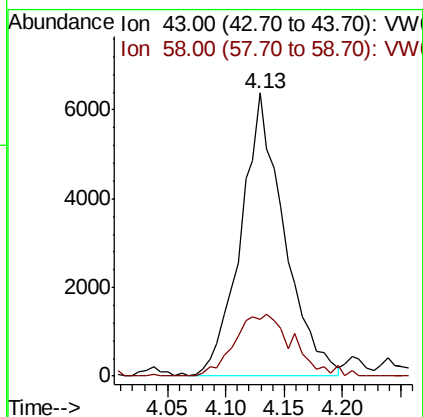
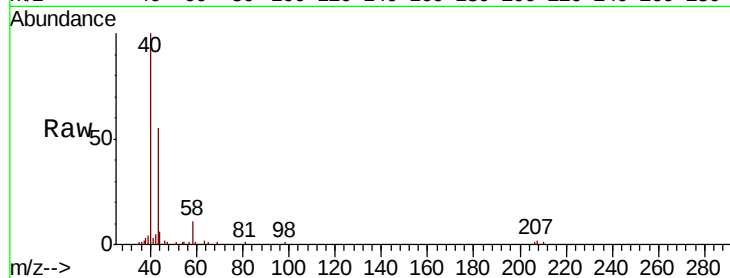
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16547

Ion Ratio Lower Upper

43 100 0.0 56.2

58 14.1 0.0 56.2



#16

Methylene chloride

Concen: 1.290 ug/L

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW009482.D

Acq: 27 Mar 2019 00:05

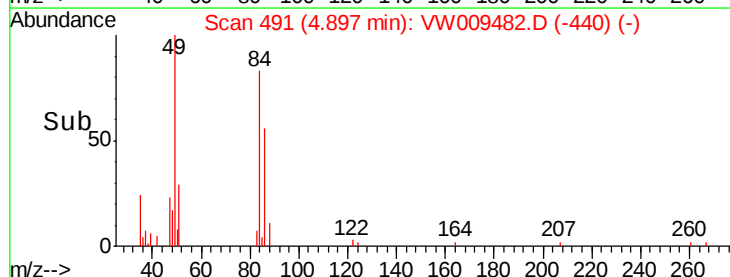
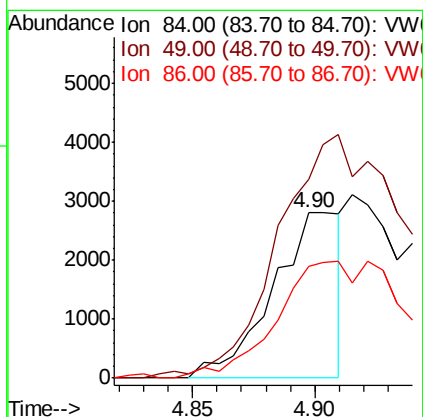
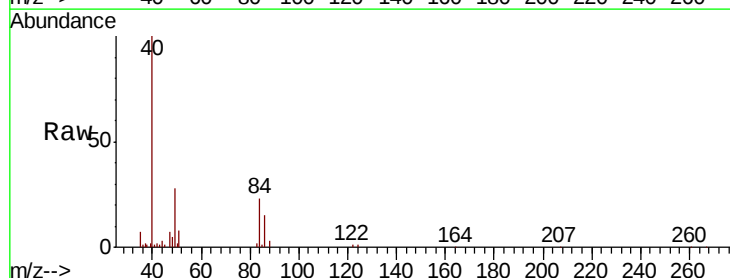
Tgt Ion: 84 Resp: 5437

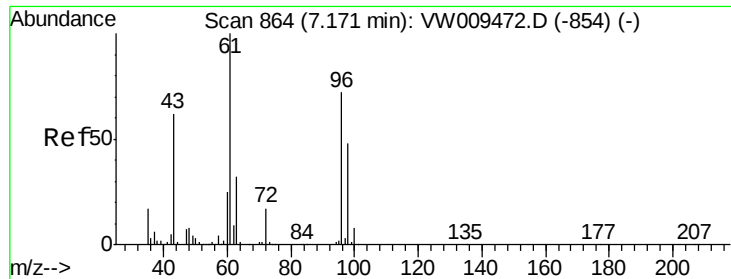
Ion Ratio Lower Upper

84 100 96.0 178.2

49 120.6 44.4 82.5

86 67.3 44.4 82.5





#21

2-Butanone

Concen: 1.682 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009482.D

Acq: 27 Mar 2019 00:05

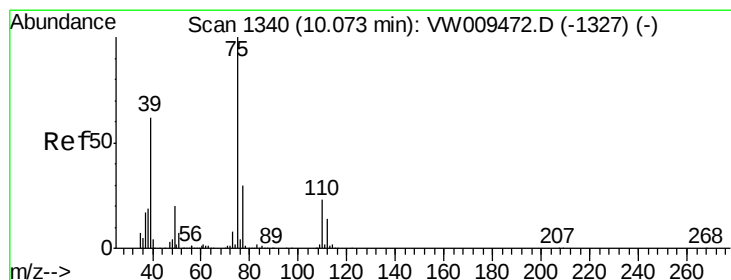
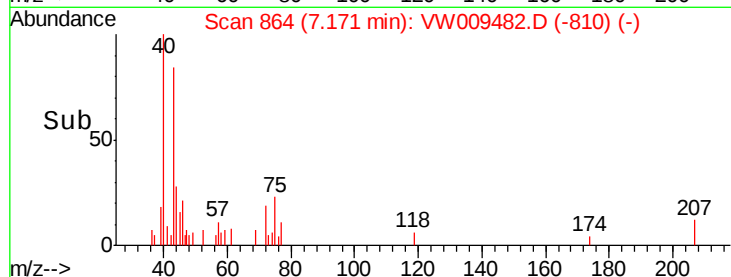
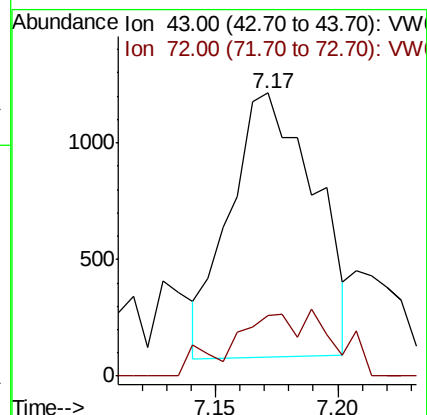
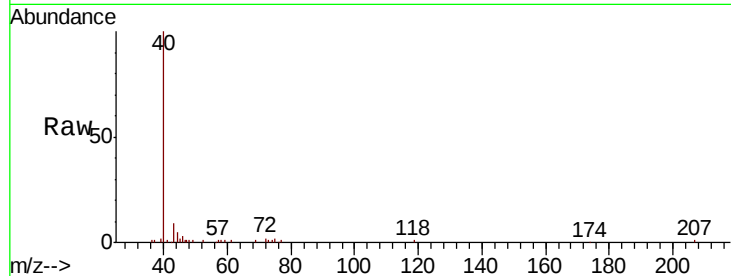
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2721

Ion Ratio Lower Upper

43 100

72 14.7 13.1 39.1



#42

cis-1,3-Dichloropropene

Concen: 0.582 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009482.D

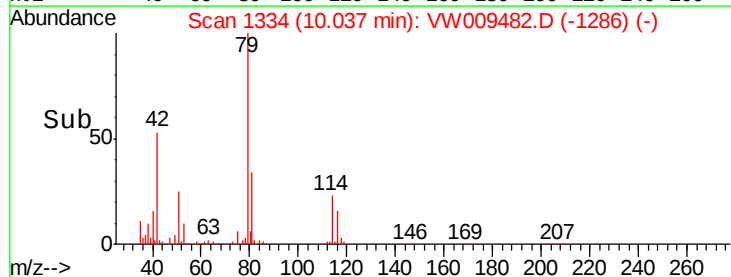
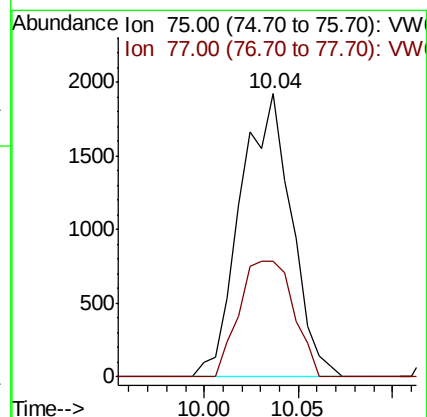
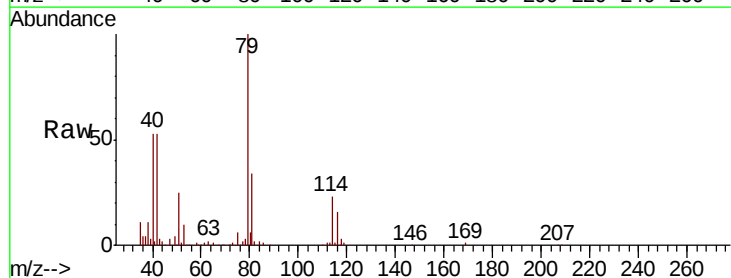
Acq: 27 Mar 2019 00:05

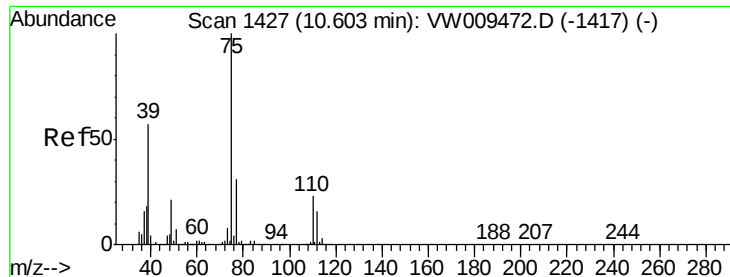
Tgt Ion: 75 Resp: 3626

Ion Ratio Lower Upper

75 100

77 40.7 21.6 40.2#





#45

trans-1,3-Dichloropropene

Concen: 0.427 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009482.D

Acq: 27 Mar 2019 00:05

Instrument :

MSVOA_W

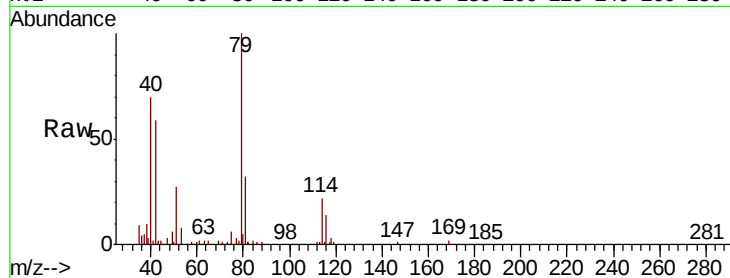
ClientSampleId :

Tot Ion: 75 Resp: 2315

Ion Ratio Lower Upper

75 100

77 46.7 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.57

1500

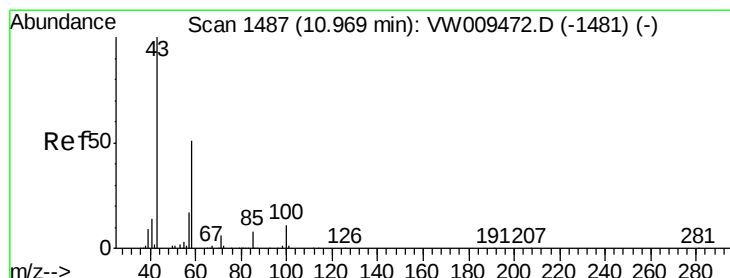
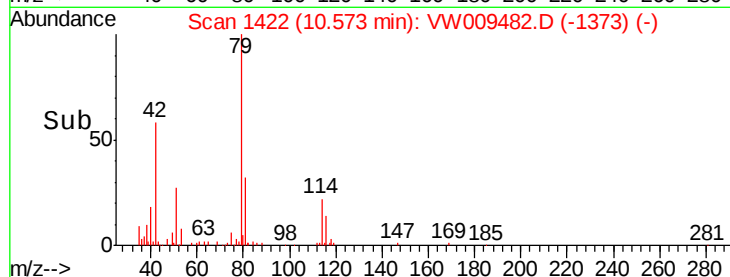
1000

500

0

10.55 10.60

Time-->



#49

2-Hexanone

Concen: 4.241 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009482.D

Acq: 27 Mar 2019 00:05

Tgt Ion: 43 Resp: 10354

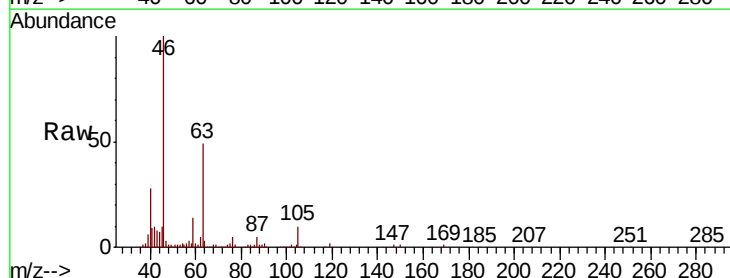
Ion Ratio Lower Upper

43 100

58 23.5 39.2 58.8#

57 25.8 14.2 21.2#

100 1.3 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.93

6000

4000

2000

0

10.90 11.00

Time-->

