

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
 Data File : VW009320.D
 Acq On : 21 Mar 2019 12:03
 Operator : SY/VA
 Sample : K1988-17
 Misc : 5.39G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 22 09:42:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 09:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	363588	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	312903	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	97762	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	131014	30.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.60%
7) Chloroethane-d5	2.90	69	129572	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.96%
10) 1,1-Dichloroethene-d2	4.01	63	199145	21.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.84%
20) 2-Butanone-d5	7.08	46	78594	43.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.48%
24) Chloroform-d	7.65	84	275366	27.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.00%
26) 1,2-Dichloroethane-d4	8.31	65	157861	26.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.64%
29) Benzene-d6	8.27	84	513017	29.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.92%
33) 1,2-Dichloropropane-d6	9.27	67	156037	30.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.44%#
37) Toluene-d8	10.32	98	429867	26.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.76%
38) trans-1,3-Dichloropropene-	10.58	79	40113	15.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.64%
39) 2-Hexanone-d5	10.93	63	52612	41.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122060	23.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	100667	26.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.40%

Target Compounds

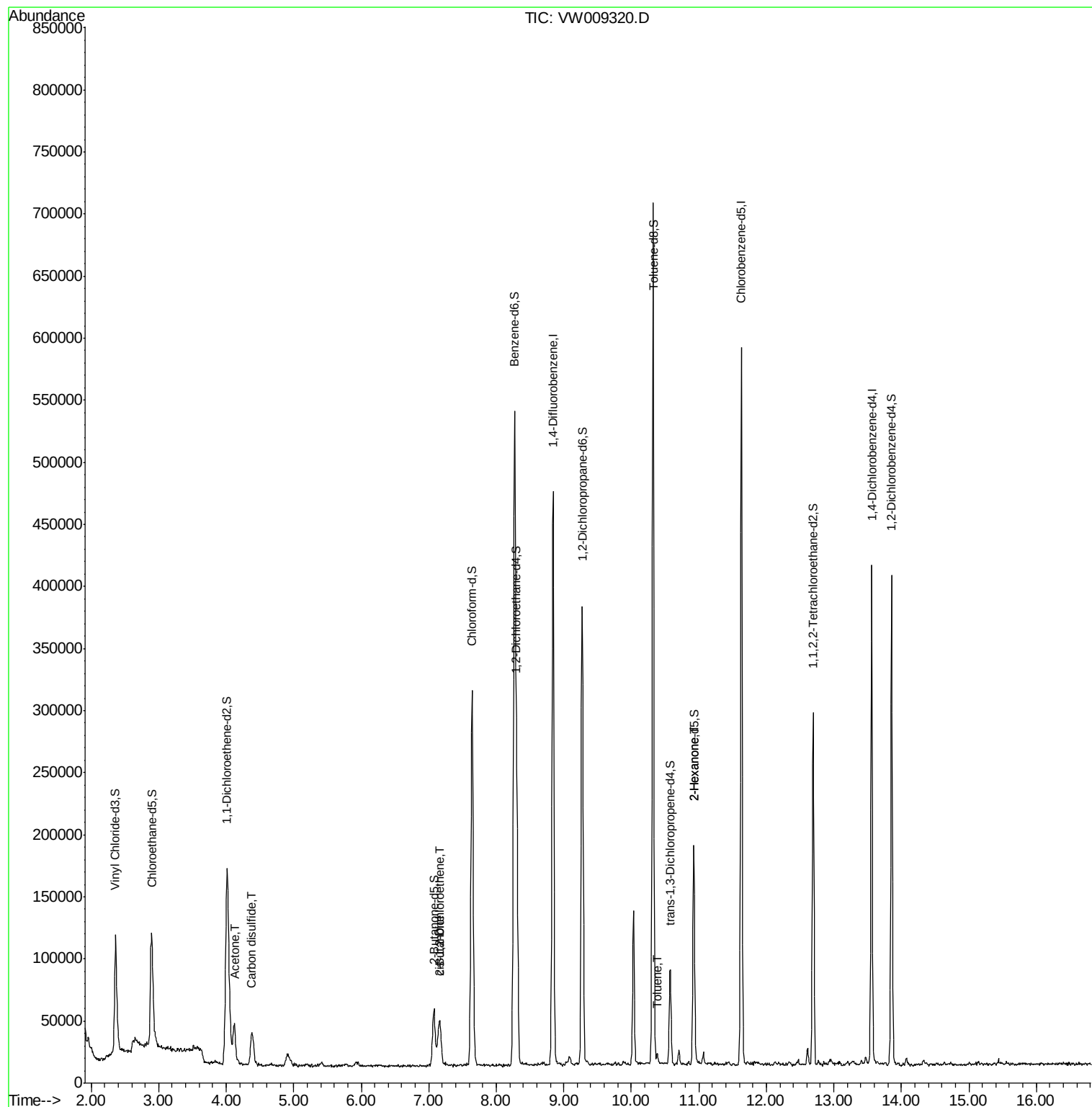
					Ovalue
13) Acetone	4.12	43	52646	35.728	ug/L 100
14) Carbon disulfide	4.38	76	53451	4.436	ug/L 99
21) 2-Butanone	7.17	43	14877	7.312	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	6790	1.332	ug/L 99
44) Toluene	10.38	91	5130	0.274	ug/L 91
49) 2-Hexanone	10.93	43	8213	2.928	ug/L # 73

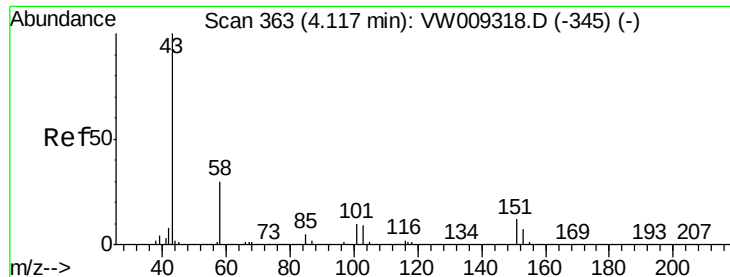
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 35.728 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009320.D

Acq: 21 Mar 2019 12:03

Instrument :

MSVOA_W

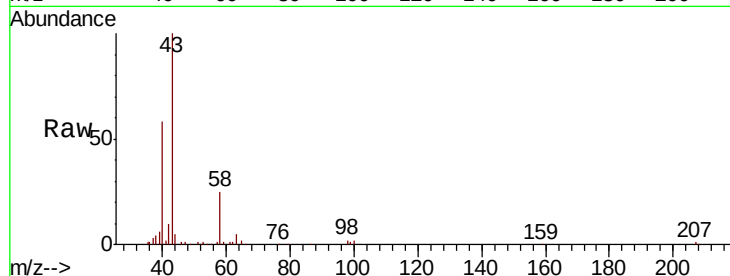
ClientSampleId :

Tot Ion: 43 Resp: 52646

Ion Ratio Lower Upper

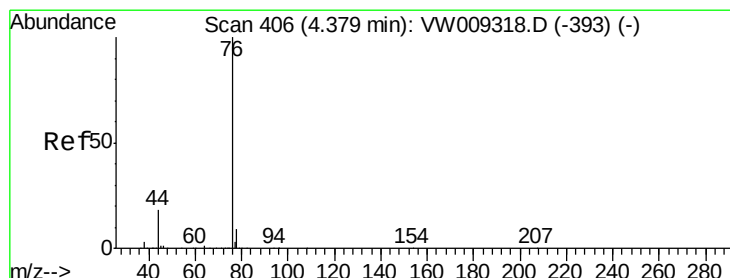
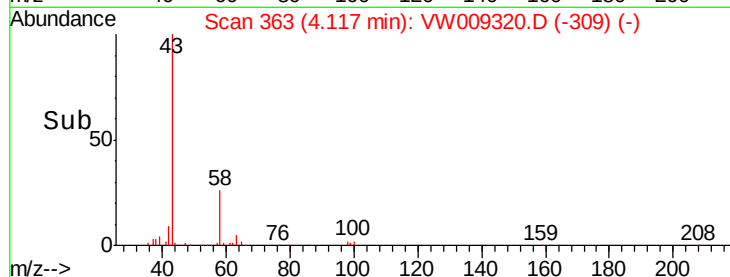
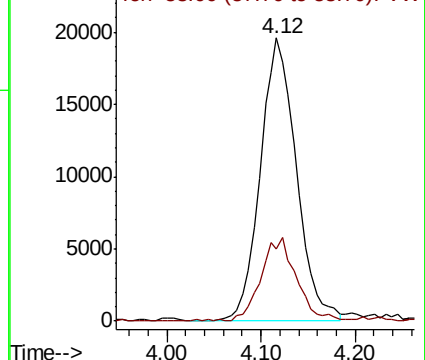
43 100

58 28.1 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.436 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009320.D

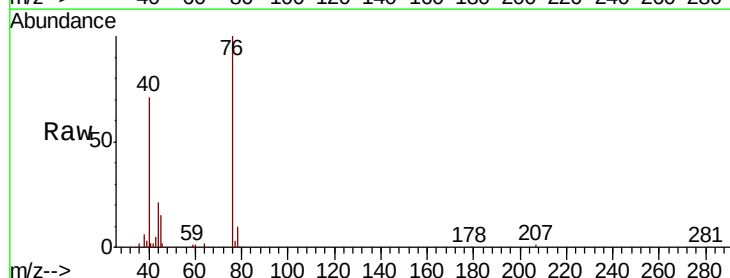
Acq: 21 Mar 2019 12:03

Tgt Ion: 76 Resp: 53451

Ion Ratio Lower Upper

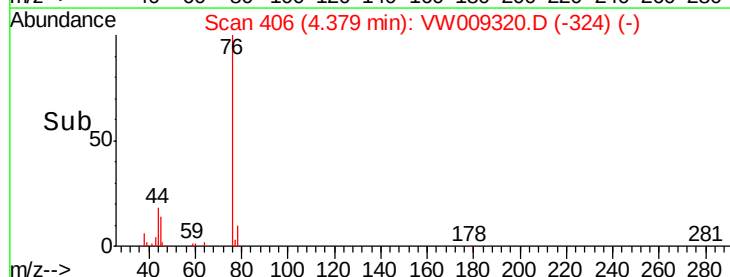
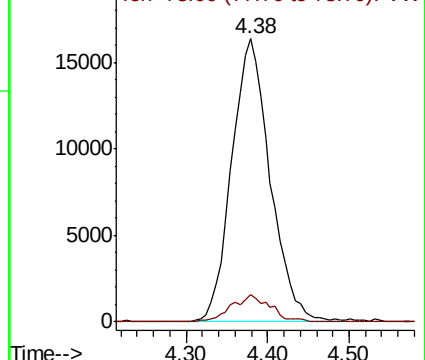
76 100

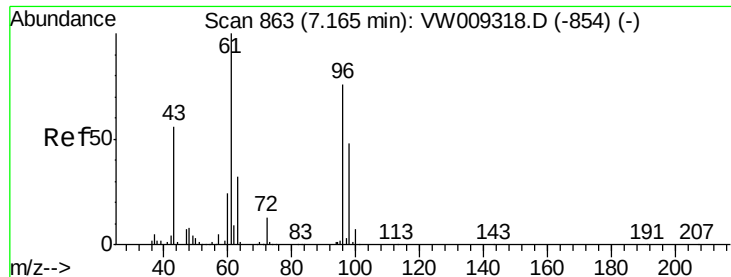
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#21

2-Butanone

Concen: 7.312 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009320.D

Acq: 21 Mar 2019 12:03

Instrument :

MSVOA_W

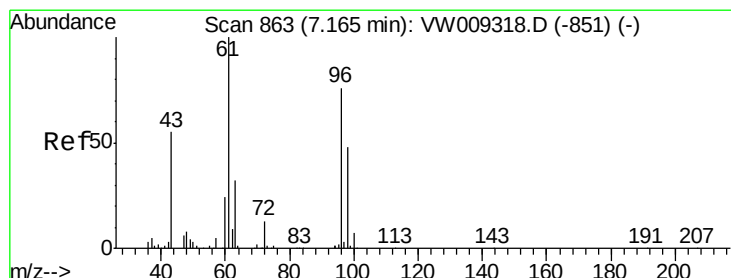
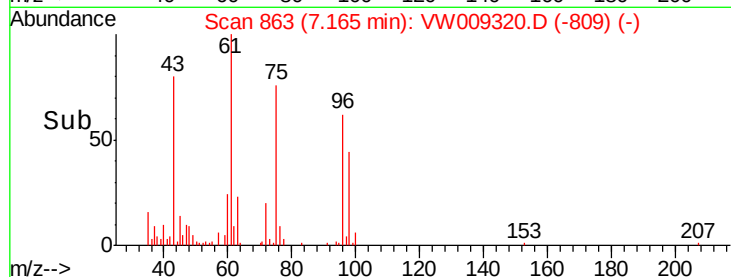
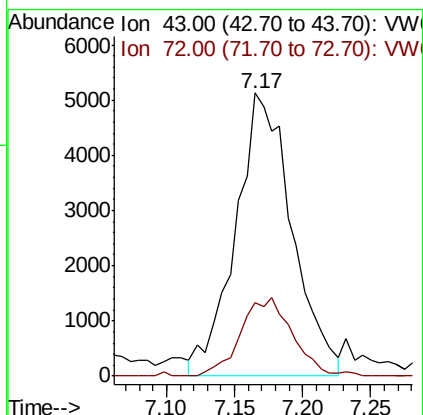
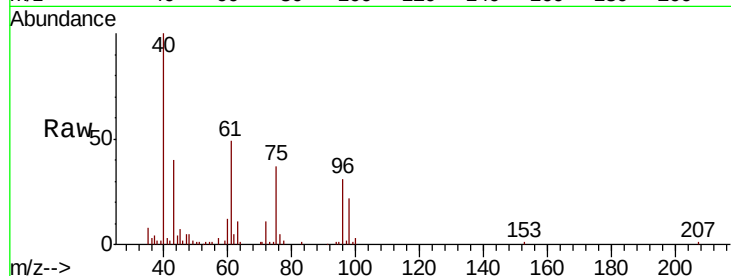
ClientSampled :

Tot Ion: 43 Resp: 14877

Ion Ratio Lower Upper

43 100

72 25.1 13.1 39.1



#22

cis-1,2-Dichloroethene

Concen: 1.332 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009320.D

Acq: 21 Mar 2019 12:03

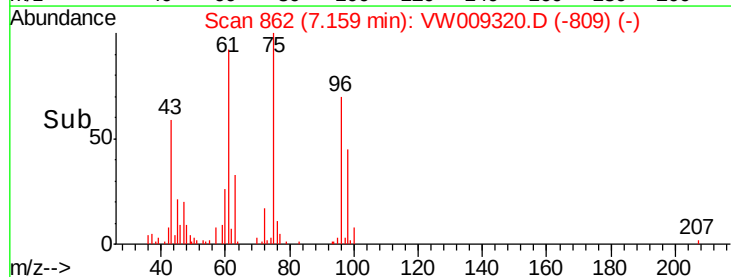
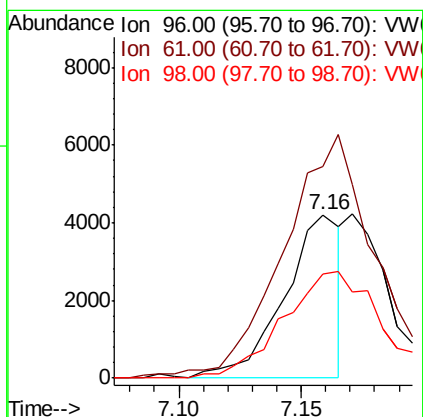
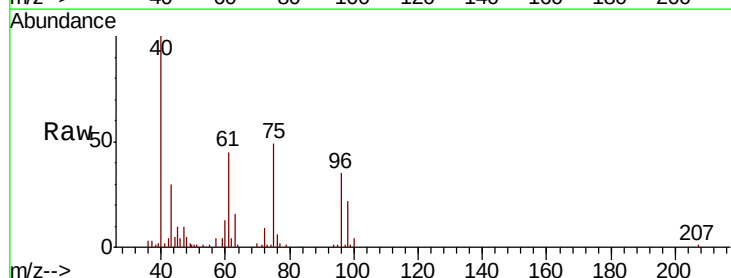
Tgt Ion: 96 Resp: 6790

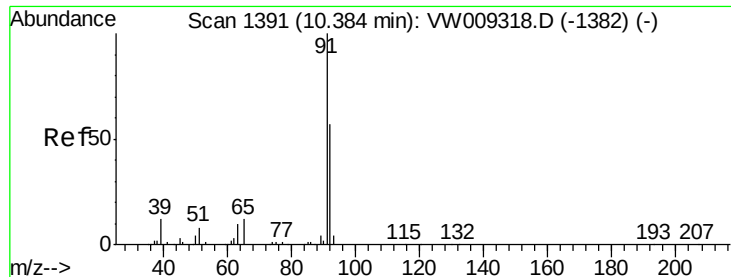
Ion Ratio Lower Upper

96 100

61 130.0 90.6 168.3

98 63.9 44.0 81.8





#44

Toluene

Concen: 0.274 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009320.D

Acq: 21 Mar 2019 12:03

Instrument :

MSVOA_W

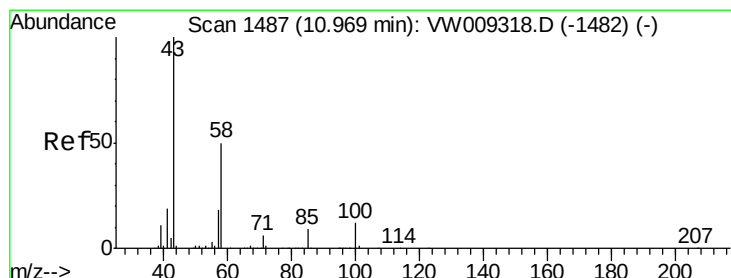
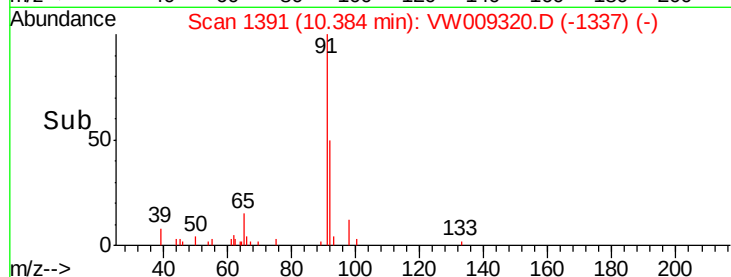
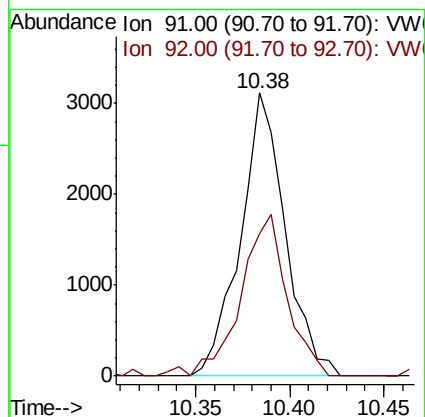
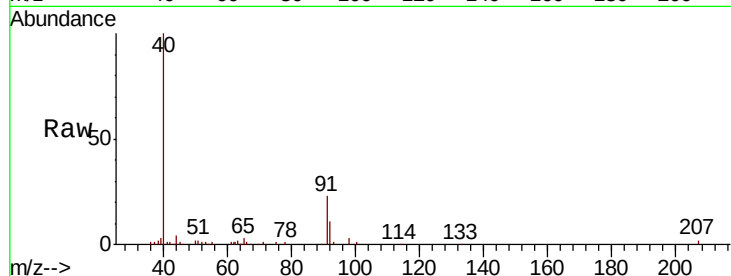
ClientSampleId :

Tot Ion: 91 Resp: 5130

Ion Ratio Lower Upper

91 100

92 50.4 39.8 73.8



#49

2-Hexanone

Concen: 2.928 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009320.D

Acq: 21 Mar 2019 12:03

Tgt Ion: 43 Resp: 8213

Ion Ratio Lower Upper

43 100

58 27.9 39.2 58.8#

57 27.0 14.2 21.2#

100 4.8 8.9 13.3#

