

Data File : VW011288.D
Acq On : 16 Jul 2019 16:12
Operator : SY/VA
Sample : K3798-05RE
Misc : 3.80G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G9RE

Quant Time: Jul 17 07:24:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 17 07:20:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	273489	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	215451	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	69975	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	68326	16.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.44%
7) Chloroethane-d5	2.89	69	56997	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.80%
10) 1,1-Dichloroethene-d2	4.01	63	125434	14.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.72%
20) 2-Butanone-d5	7.07	46	117291	71.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.60%#
24) Chloroform-d	7.65	84	177503	23.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	8.31	65	120564	26.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.48%
29) Benzene-d6	8.27	84	342038	25.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.08%
33) 1,2-Dichloropropane-d6	9.27	67	123519	28.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.32%
37) Toluene-d8	10.32	98	274458	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
38) trans-1,3-Dichloropropene-	10.58	79	44962	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
39) 2-Hexanone-d5	10.93	63	75849	76.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.04%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109117	30.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.08%#
61) 1,2-Dichlorobenzene-d4	13.86	152	62209	23.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.64%

Target Compounds

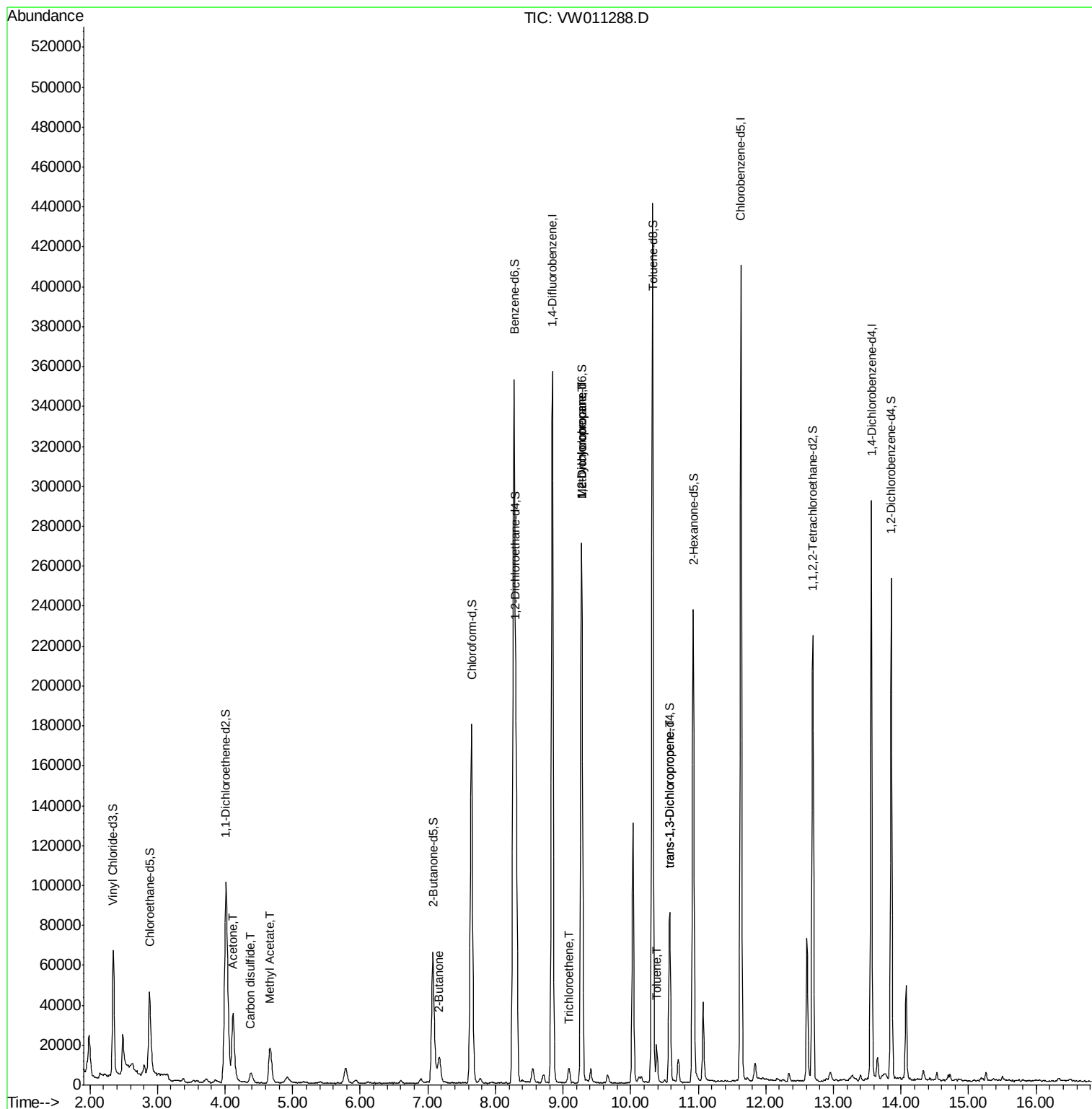
					Qvalue
13) Acetone	4.12	43	61143	38.053	ug/L 100
14) Carbon disulfide	4.38	76	8078	0.786	ug/L 97
15) Methyl Acetate	4.67	43	36778	14.067	ug/L # 78
21) 2-Butanone	7.17	43	13884	6.694	ug/L 95
35) Trichloroethene	9.09	95	2203	0.648	ug/L # 82
36) Methylcyclohexane	9.27	83	27439	4.487	ug/L # 14
40) 1,2-Dichloropropane	9.27	63	14108	3.824	ug/L # 88
44) Toluene	10.38	91	12755	0.915	ug/L 93
45) trans-1,3-Dichloropropene	10.58	75	2271	0.504	ug/L 91

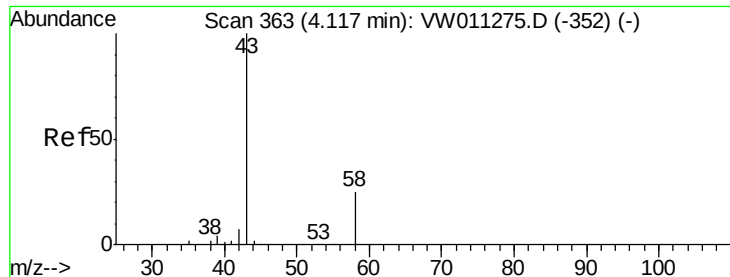
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 38.053 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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Acq: 16 Jul 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

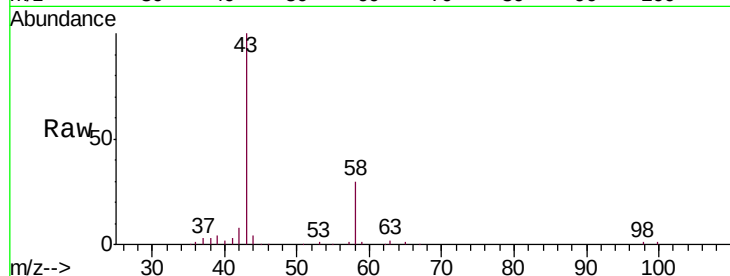
A52G9RE

Tgt Ion: 43 Resp: 61143

Ion Ratio Lower Upper

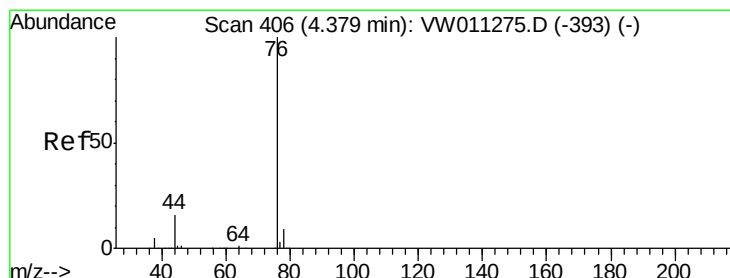
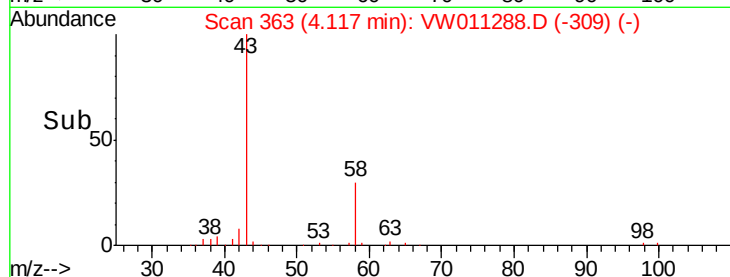
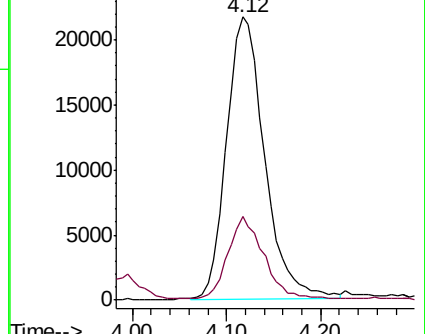
43 100

58 27.3 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.786 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

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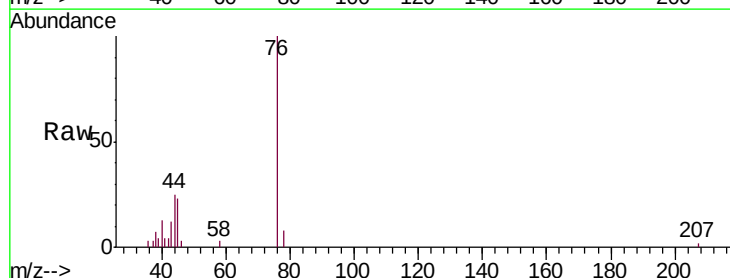
Acq: 16 Jul 2019 16:12

Tgt Ion: 76 Resp: 8078

Ion Ratio Lower Upper

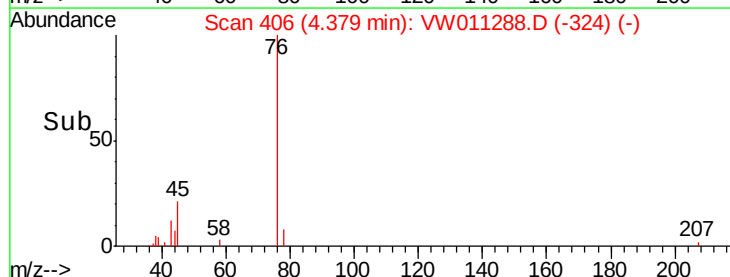
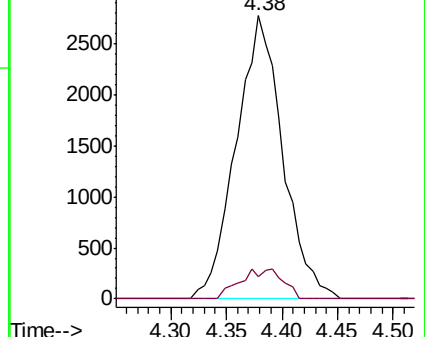
76 100

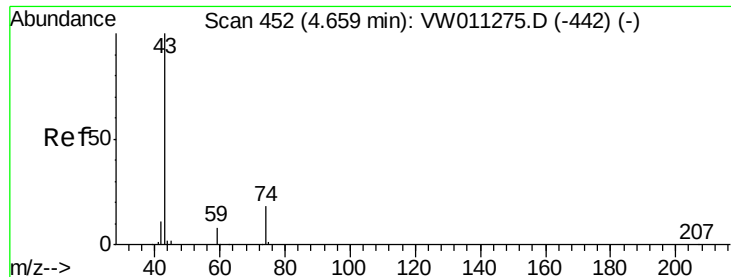
78 8.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 14.067 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW011288.D

Acq: 16 Jul 2019 16:12

Instrument :

MSVOA_W

ClientSampled :

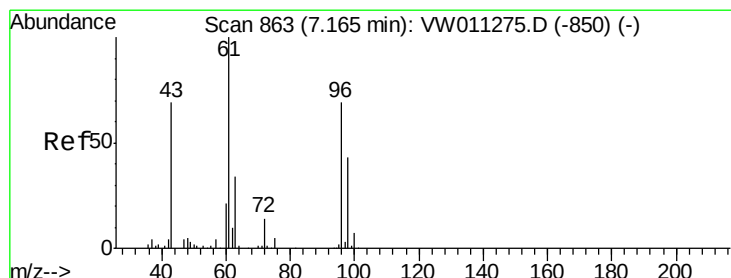
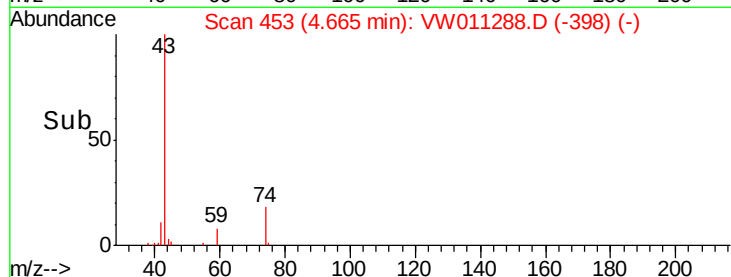
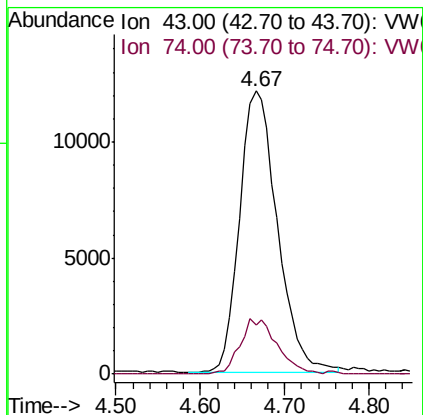
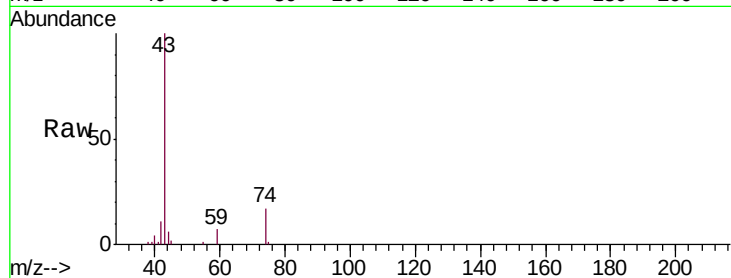
A52G9RE

Tgt Ion: 43 Resp: 36778

Ion Ratio Lower Upper

43 100

74 9.0 15.1 22.7#



#21

2-Butanone

Concen: 6.694 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011288.D

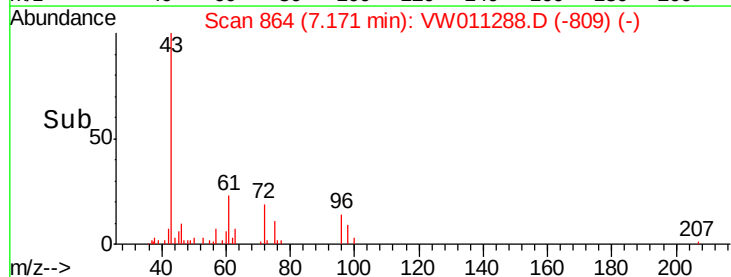
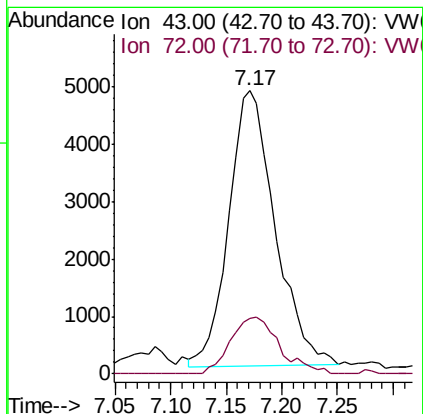
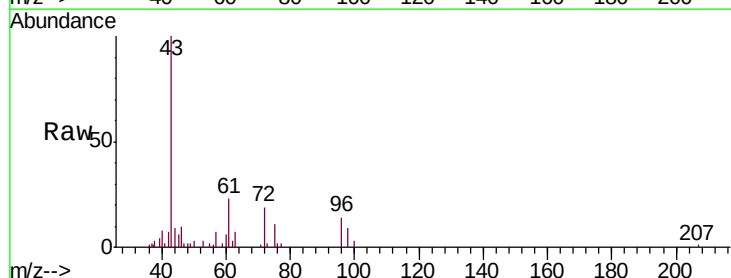
Acq: 16 Jul 2019 16:12

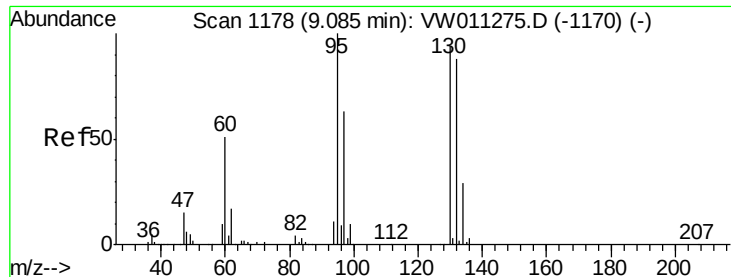
Tgt Ion: 43 Resp: 13884

Ion Ratio Lower Upper

43 100

72 19.8 11.2 33.6





#35

Trichloroethene

Concen: 0.648 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW011288.D

Acq: 16 Jul 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

A52G9RE

Tgt Ion: 95 Resp: 2203

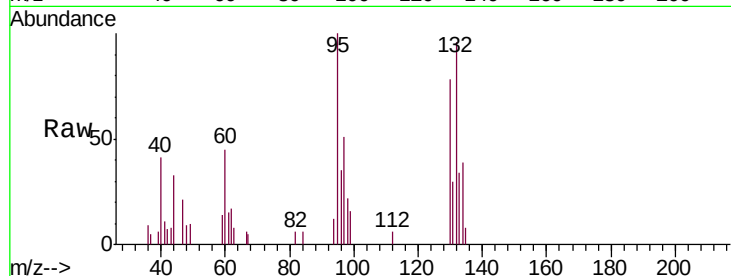
Ion Ratio Lower Upper

95 100

97 62.2 45.4 84.2

132 55.2 65.0 120.8#

130 89.3 67.8 126.0



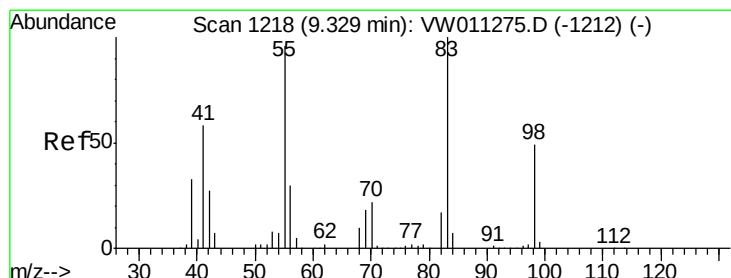
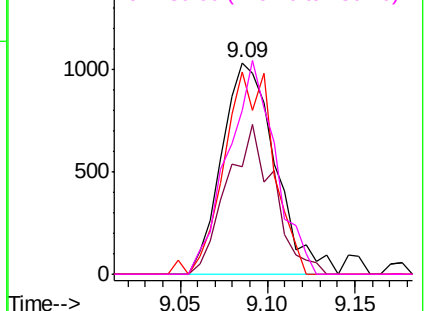
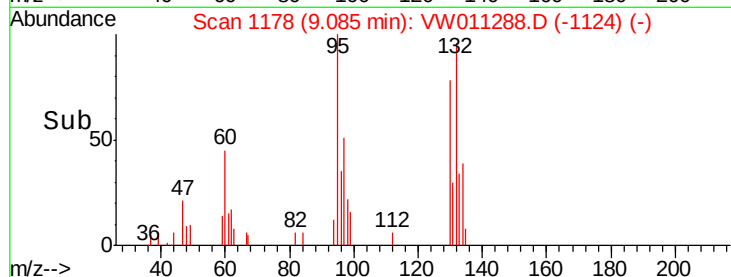
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.487 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.05 min

Lab File: VW011288.D

Acq: 16 Jul 2019 16:12

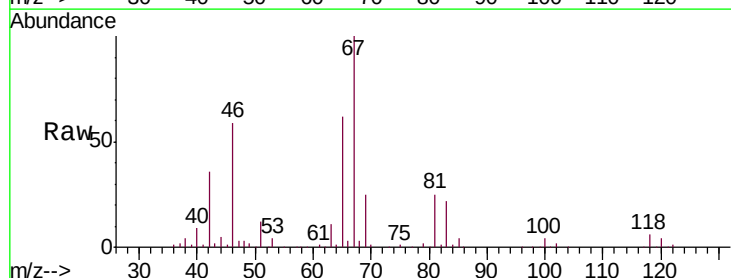
Tgt Ion: 83 Resp: 27439

Ion Ratio Lower Upper

83 100

55 0.8 72.2 108.4#

98 1.8 38.2 57.4#

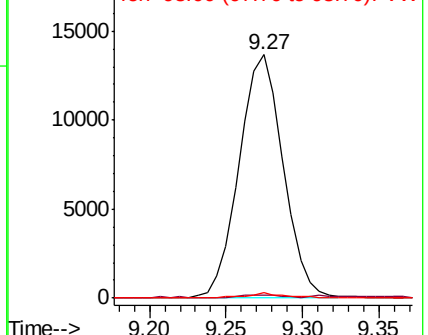
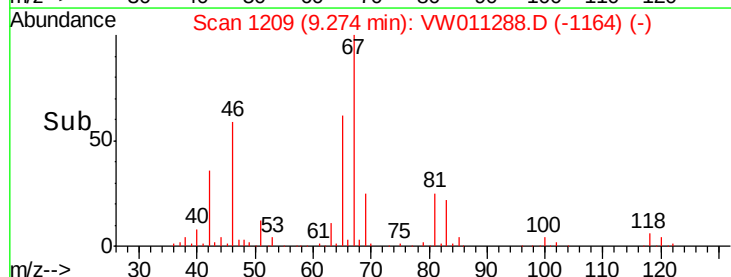


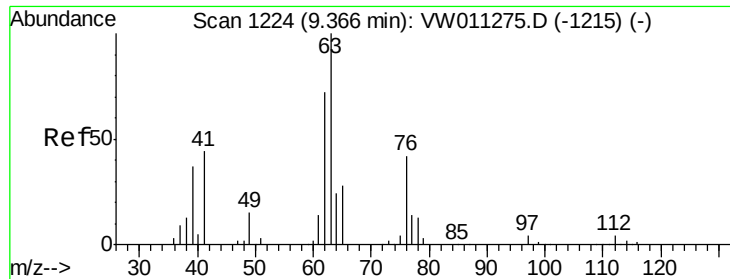
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

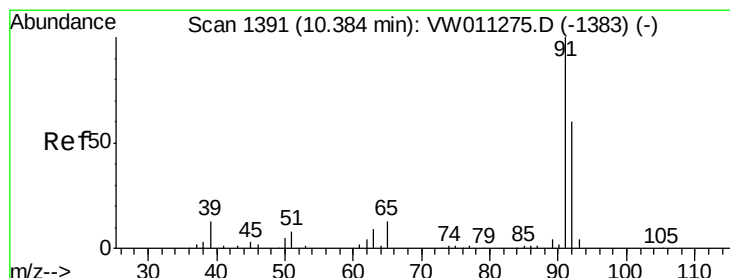
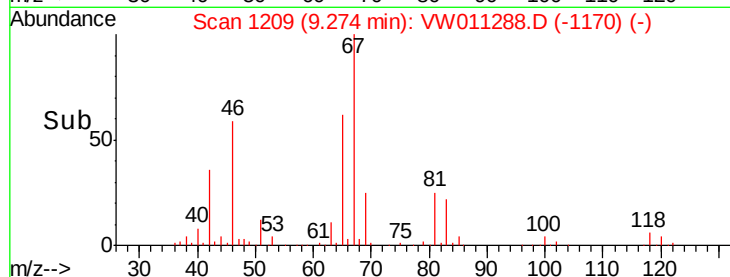
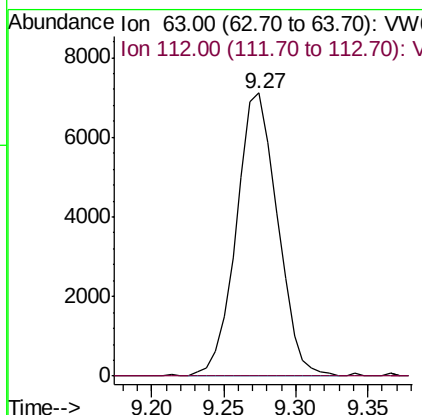
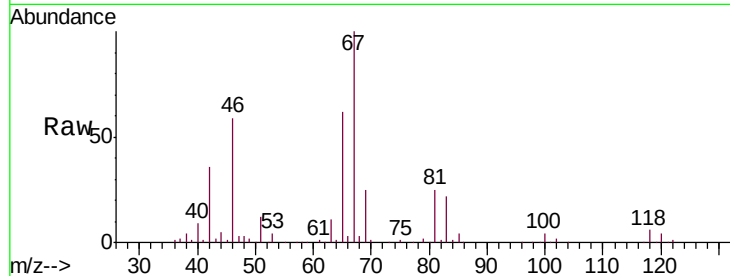




#40
 1,2-Dichloropropane
 Concen: 3.824 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.09 min
 Lab File: VW011288.D
 Acq: 16 Jul 2019 16:12

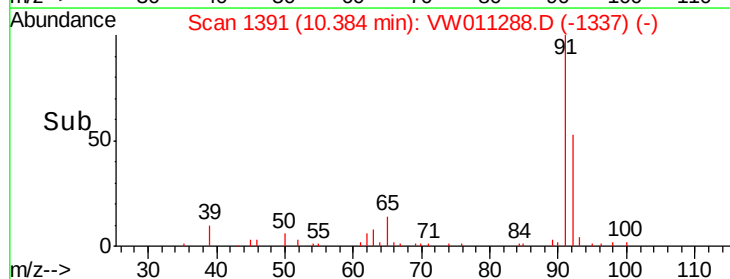
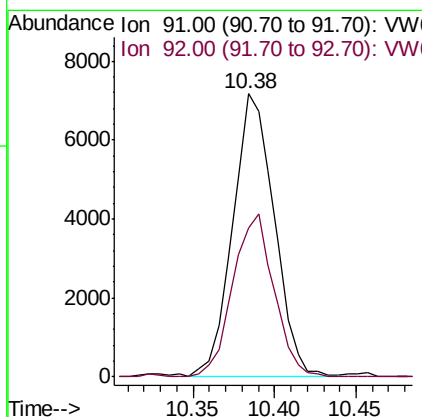
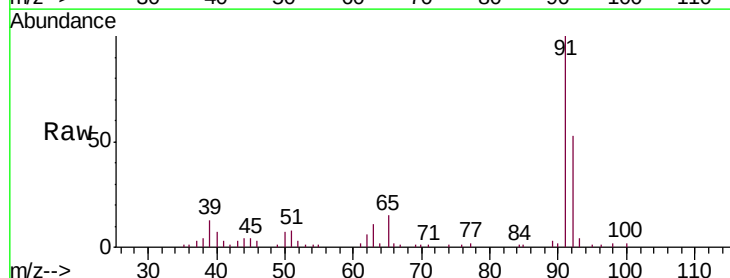
Instrument :
 MSVOA_W
 ClientSampleId :
 A52G9RE

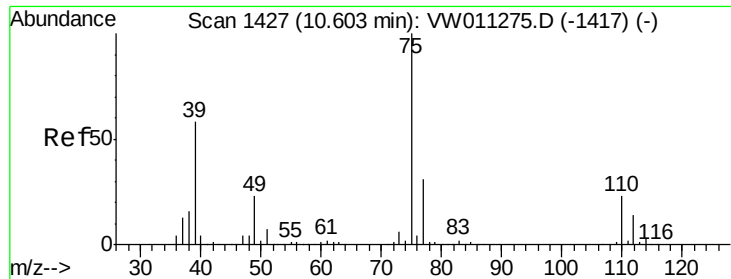
Tgt Ion: 63 Resp: 14108
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#44
 Toluene
 Concen: 0.915 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW011288.D
 Acq: 16 Jul 2019 16:12

Tgt Ion: 91 Resp: 12755
 Ion Ratio Lower Upper
 91 100
 92 52.9 40.8 75.8





#45

trans-1,3-Dichloropropene

Concen: 0.504 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW011288.D

Acq: 16 Jul 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

A52G9RE

Tgt Ion: 75 Resp: 2271

Ion Ratio Lower Upper

75 100

77 36.8 22.3 41.5

