

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV103019\
 Data File : VW013840.D
 Acq On : 30 Oct 2019 16:26
 Operator : SY/VA
 Sample : K5596-02
 Misc : 5.86G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAQA3

Quant Time: Oct 31 05:32:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 05:29:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	271733	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	237952	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	98667	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	82768	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
7) Chloroethane-d5	2.89	69	65954	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.76%
10) 1,1-Dichloroethene-d2	4.02	63	122554	16.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.56%
20) 2-Butanone-d5	7.07	46	81095	68.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.02%#
24) Chloroform-d	7.65	84	179628	23.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	8.31	65	105612	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.24%
29) Benzene-d6	8.27	84	371289	25.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.88%
33) 1,2-Dichloropropane-d6	9.27	67	121387	28.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.72%
37) Toluene-d8	10.32	98	335685	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.84%
38) trans-1,3-Dichloropropene-	10.58	79	51487	26.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.92%
39) 2-Hexanone-d5	10.92	63	66679	81.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	163.38%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111804	31.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	127.88%#
61) 1,2-Dichlorobenzene-d4	13.85	152	85700	24.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.32%

Target Compounds

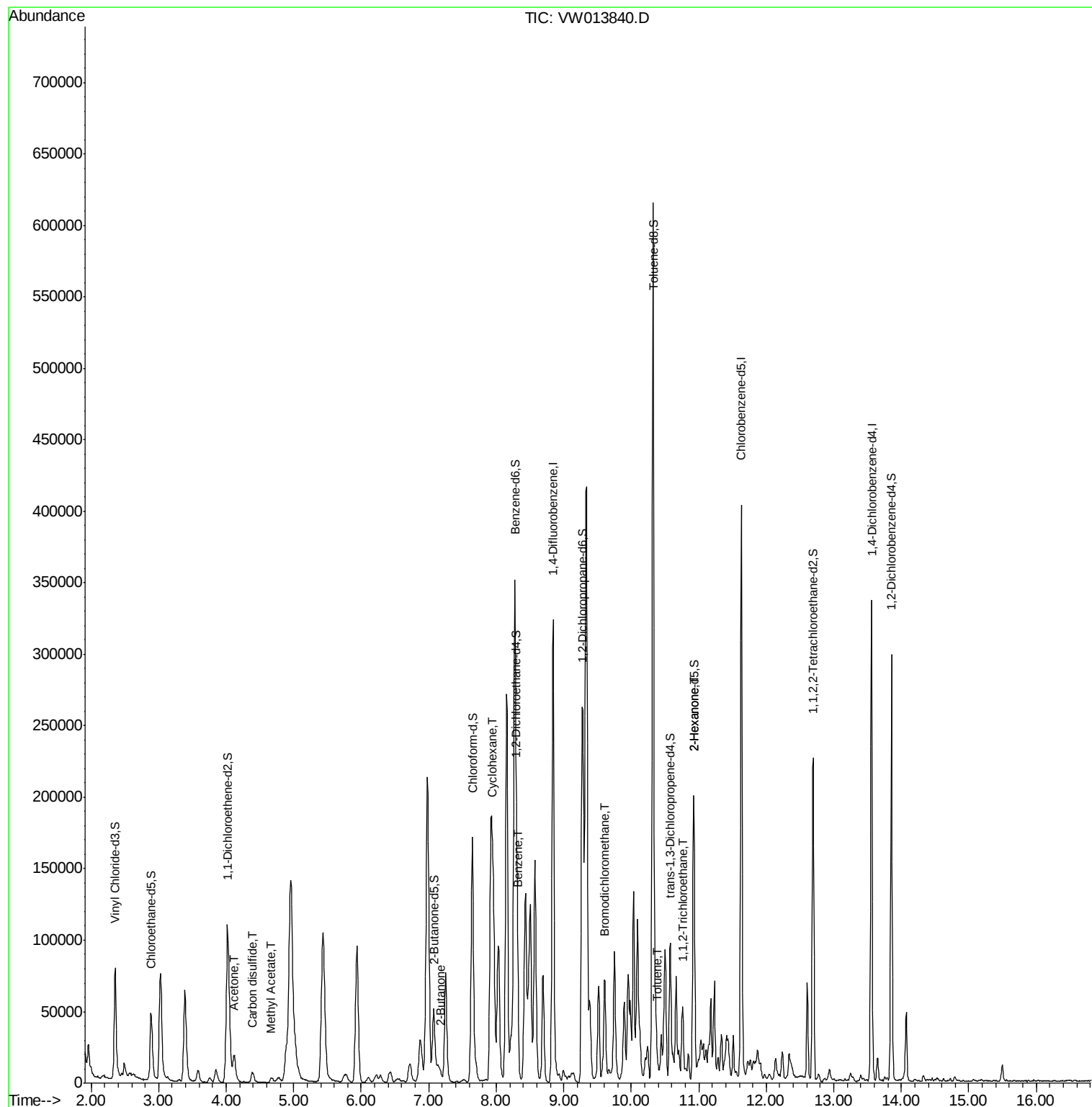
					Ovalue
13) Acetone	4.12	43	29400	22.215 ug/L	62
14) Carbon disulfide	4.39	76	7156	0.579 ug/L #	90
15) Methyl Acetate	4.67	43	4139	1.914 ug/L #	68
21) 2-Butanone	7.18	43	6076	3.616 ug/L	84
30) Cyclohexane	7.95	56	113107	16.225 ug/L	86
34) Benzene	8.32	78	7669	0.449 ug/L	100
41) Bromodichloromethane	9.62	83	2139	0.418 ug/L #	39
44) Toluene	10.38	91	9790	0.534 ug/L	90
46) 1,1,2-Trichloroethane	10.76	97	17730	5.507 ug/L #	24
49) 2-Hexanone	10.93	43	20862	10.325 ug/L #	41

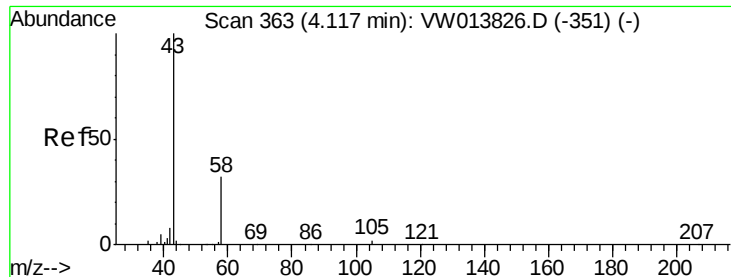
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 31 05:29:18 2019
Response via : Initial Calibration





#13

Acetone

Concen: 22.215 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013840.D

Acq: 30 Oct 2019 16:26

Instrument :

MSVOA_W

ClientSampled :

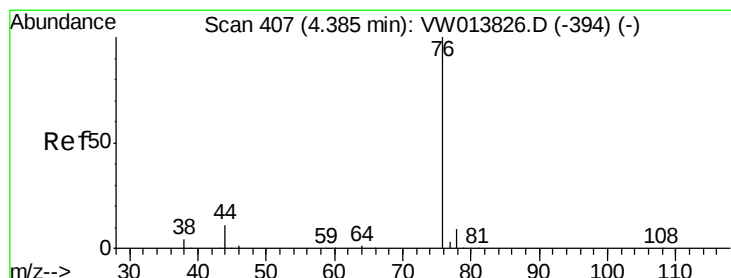
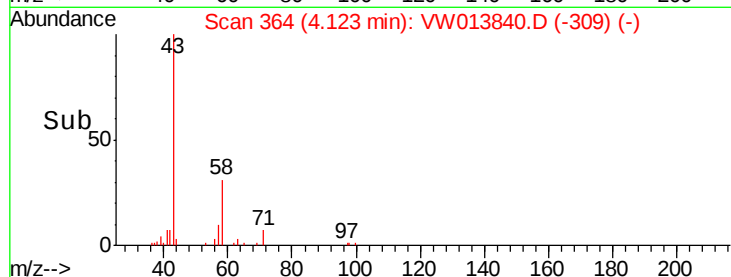
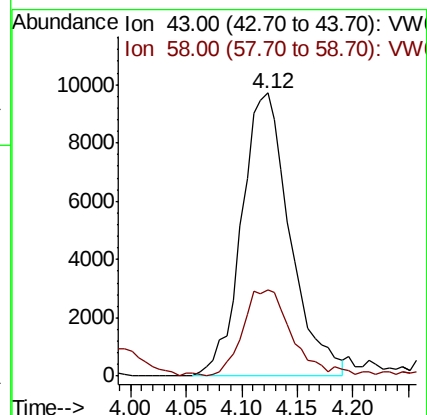
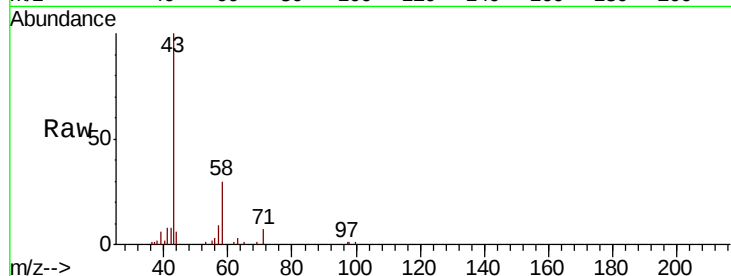
GAQA3

Tot Ion: 43 Resp: 29400

Ion Ratio Lower Upper

43 100

58 13.2 0.0 70.4



#14

Carbon disulfide

Concen: 0.579 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013840.D

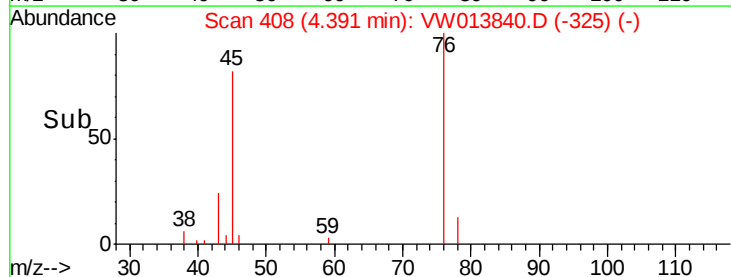
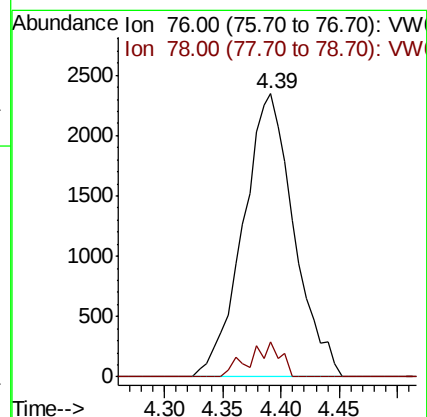
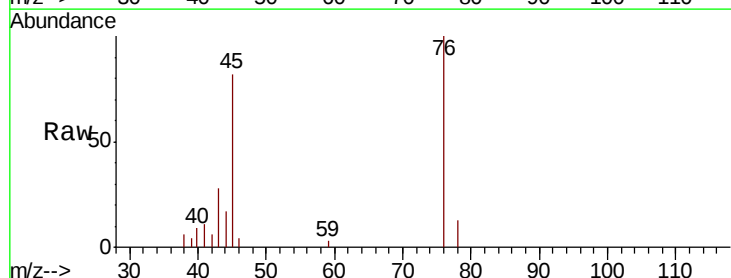
Acq: 30 Oct 2019 16:26

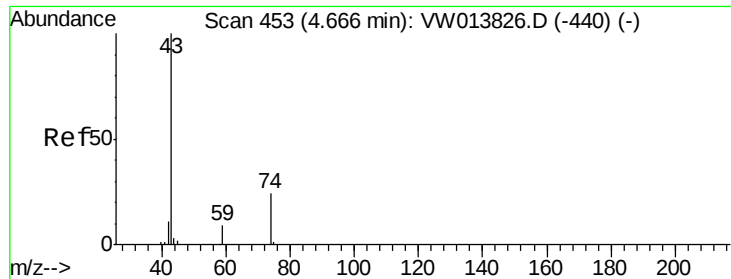
Tgt Ion: 76 Resp: 7156

Ion Ratio Lower Upper

76 100

78 12.5 7.1 10.7#

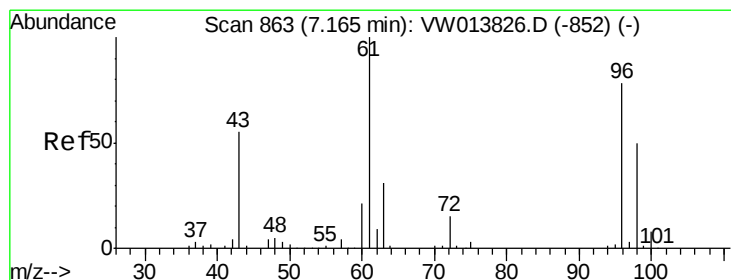
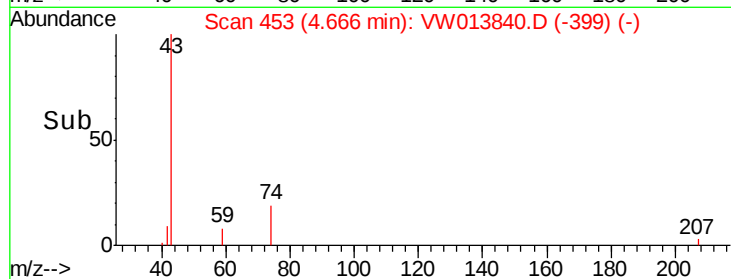
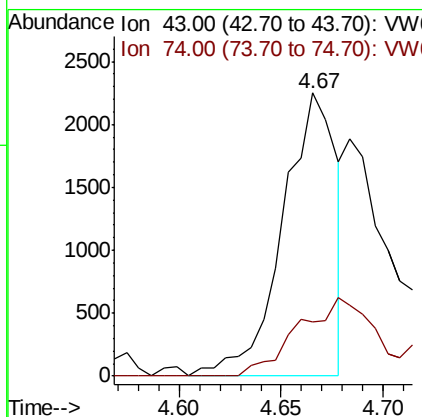
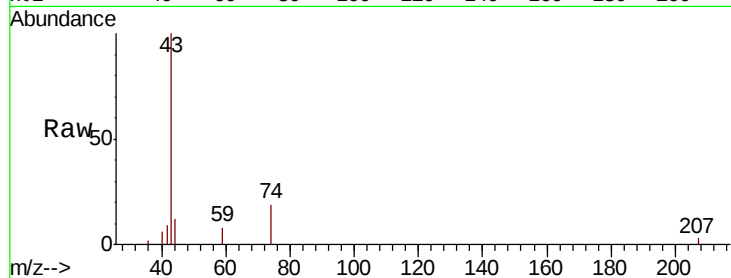




#15
Methvl Acetate
Concen: 1.914 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013840.D
Acq: 30 Oct 2019 16:26

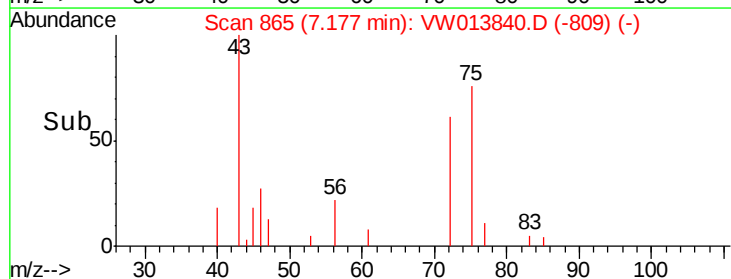
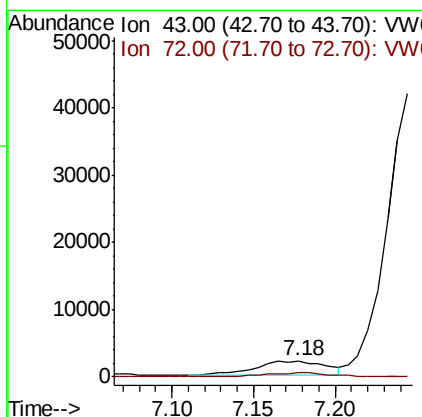
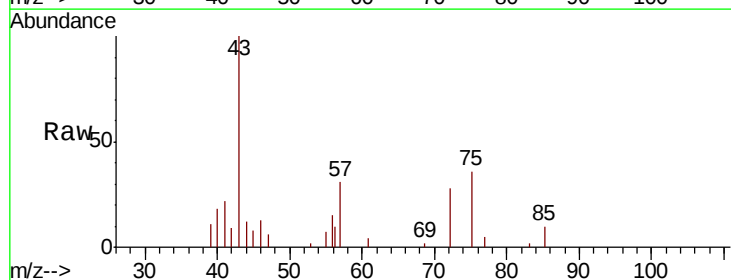
Instrument :
MSVOA_W
ClientSampled :
GAQA3

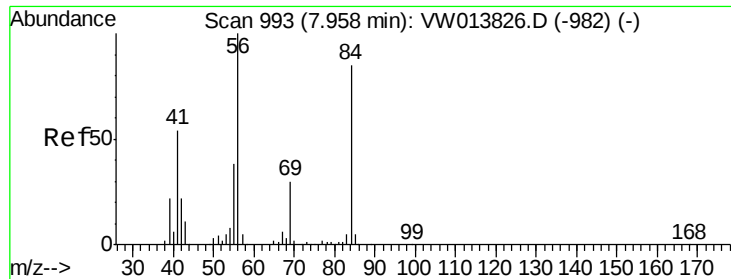
Tot Ion: 43 Resp: 4139
Ion Ratio Lower Upper
43 100
74 8.1 19.2 28.8#



#21
2-Butanone
Concen: 3.616 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW013840.D
Acq: 30 Oct 2019 16:26

Tgt Ion: 43 Resp: 6076
Ion Ratio Lower Upper
43 100
72 19.1 13.7 41.1

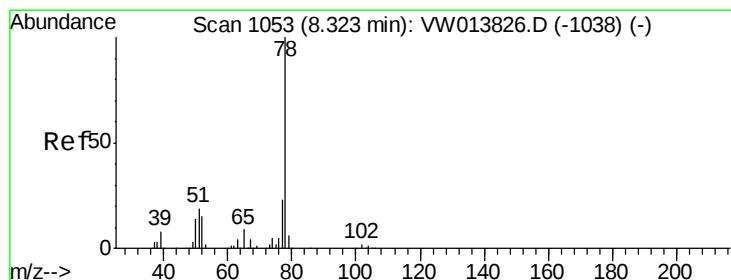
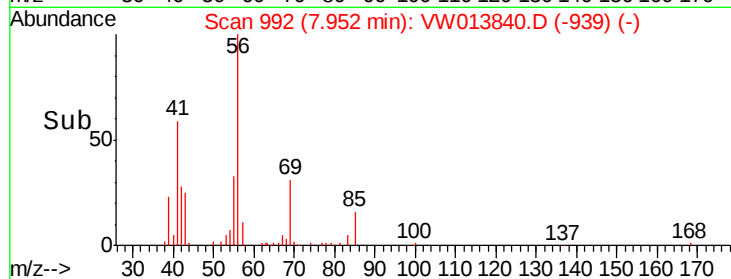
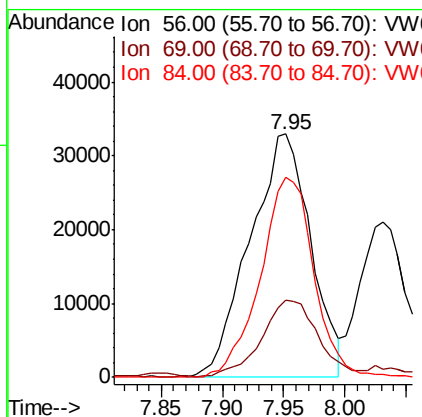
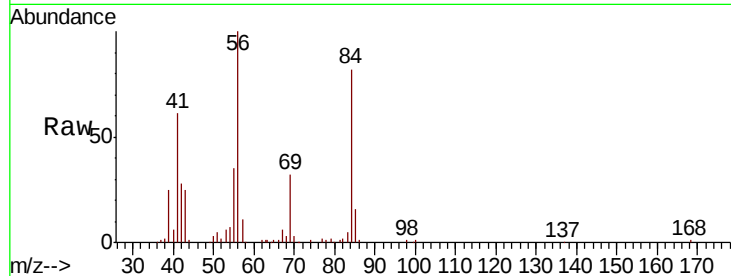




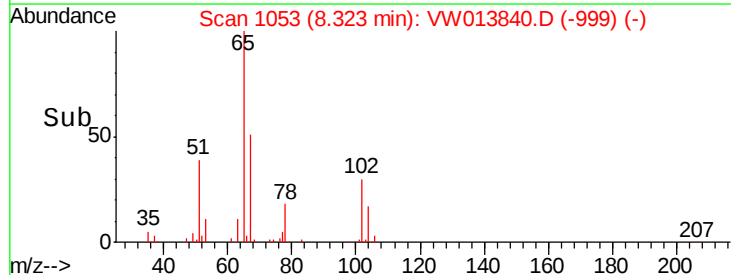
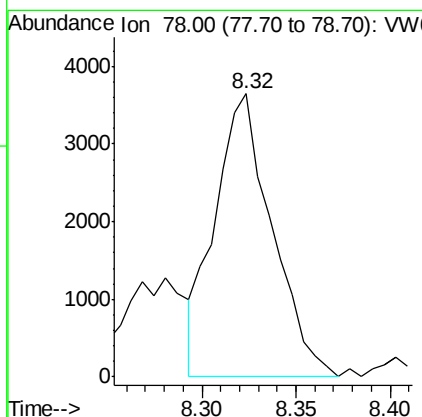
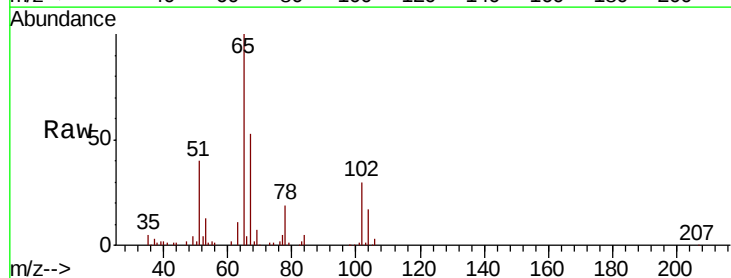
#30
Cyclohexane
Concen: 16.225 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013840.D
Acq: 30 Oct 2019 16:26

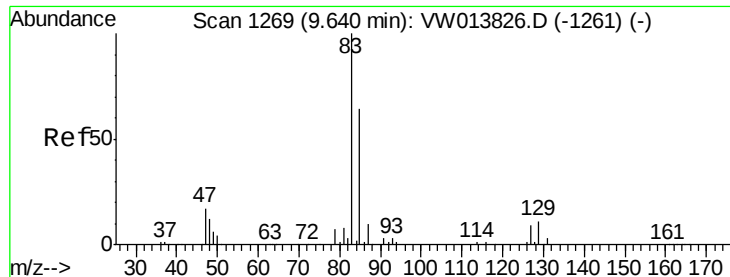
Instrument :
MSVOA_W
ClientSampleId :
GAQA3

Tot Ion: 56 Resp: 113107
Ion Ratio Lower Upper
56 100
69 29.3 24.6 37.0
84 72.4 71.1 106.7



#34
Benzene
Concen: 0.449 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013840.D
Acq: 30 Oct 2019 16:26
Tgt Ion: 78 Resp: 7669





#41

Bromodichloromethane

Concen: 0.418 ug/L

RT: 9.62 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VW013840.D

Acq: 30 Oct 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

GAQA3

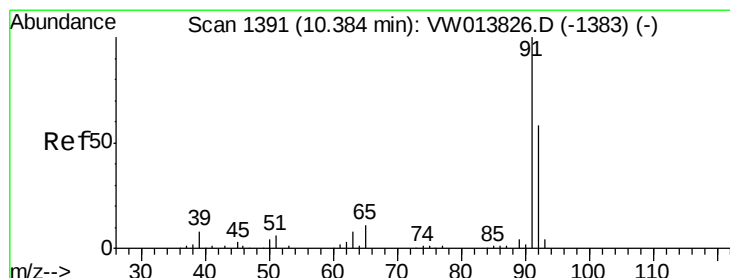
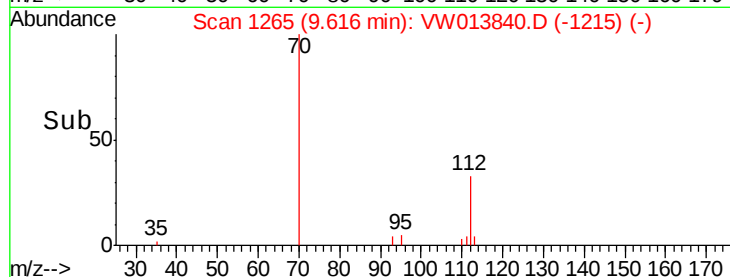
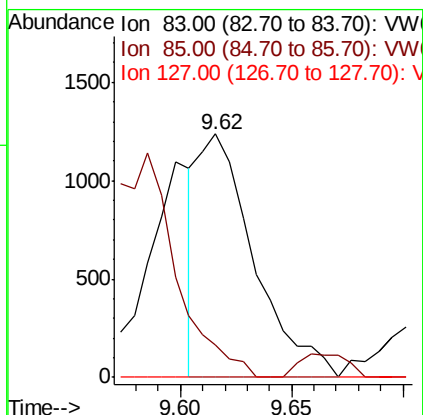
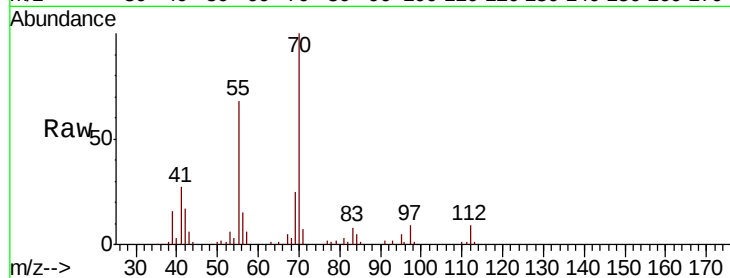
Tot Ion: 83 Resp: 2139

Ion Ratio Lower Upper

83 100

85 13.5 45.8 85.0#

127 0.0 6.6 10.0#



#44

Toluene

Concen: 0.534 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013840.D

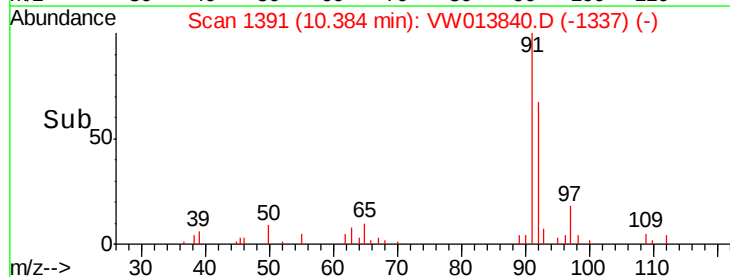
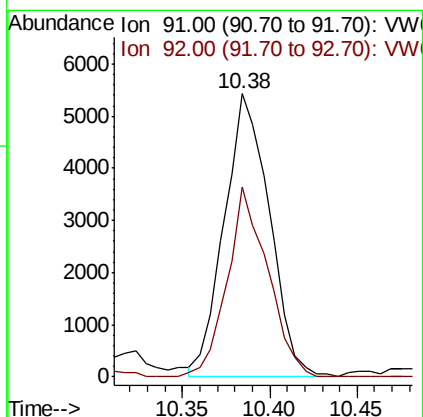
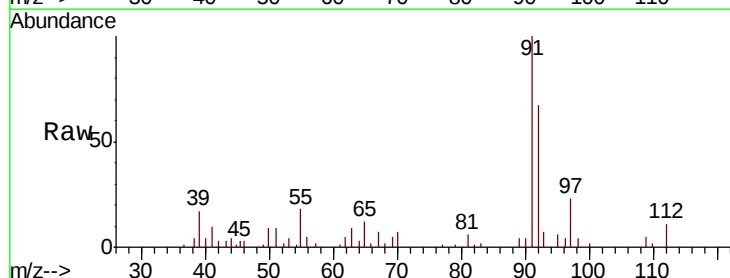
Acq: 30 Oct 2019 16:26

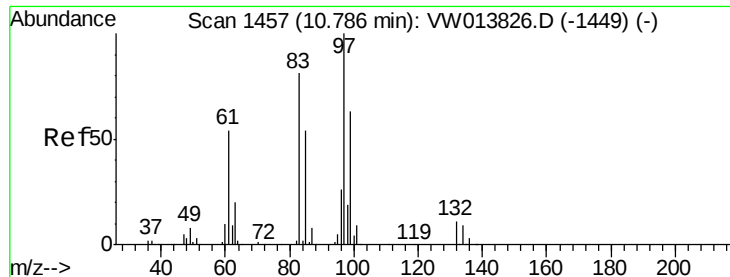
Tgt Ion: 91 Resp: 9790

Ion Ratio Lower Upper

91 100

92 67.3 42.0 78.0

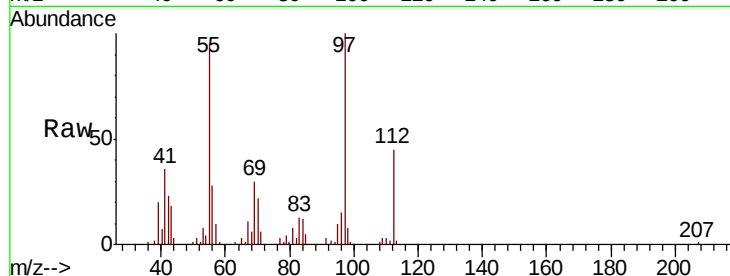




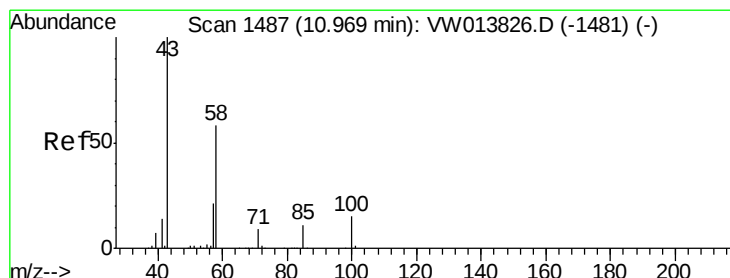
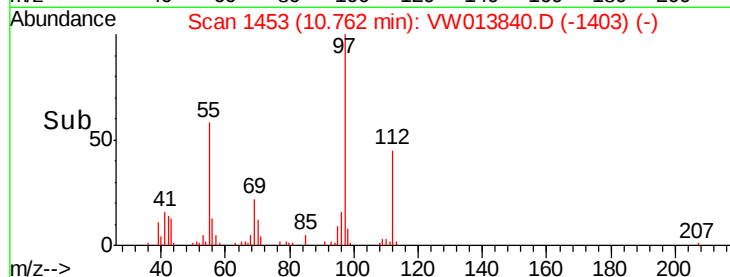
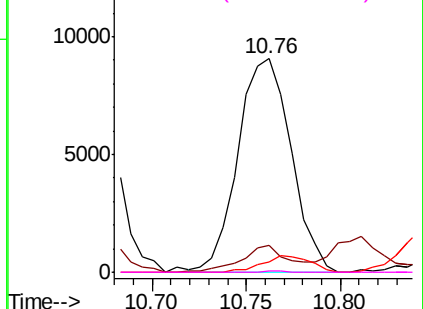
#46
 1,1,2-Trichloroethane
 Concen: 5.507 ug/L
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW013840.D
 Acq: 30 Oct 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 GAQA3

Tot Ion: 97 Resp: 17730
 Ion Ratio Lower Upper
 97 100
 83 12.8 57.7 107.3#
 85 5.0 38.6 71.6#
 99 0.6 44.7 82.9#

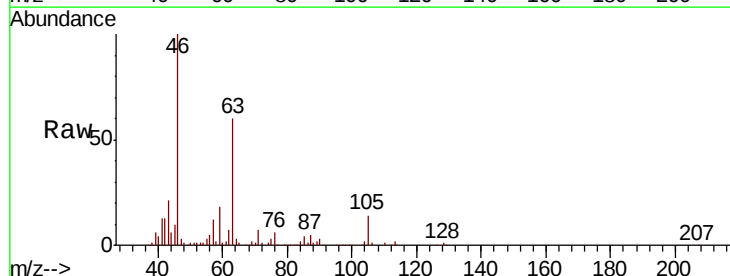


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW



#49
 2-Hexanone
 Concen: 10.325 ug/L
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.04 min
 Lab File: VW013840.D
 Acq: 30 Oct 2019 16:26

Tgt Ion: 43 Resp: 20862
 Ion Ratio Lower Upper
 43 100
 58 10.1 45.8 68.6#
 57 48.9 15.4 23.2#
 100 0.8 10.8 16.2#



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

