

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102919\
 Data File : VW013788.D
 Acq On : 29 Oct 2019 12:57
 Operator : SY/VA
 Sample : K5552-03
 Misc : 5.36G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAQ76

Quant Time: Oct 30 06:19:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 06:58:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	265239	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	228214	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	84810	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	96866	29.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.04%
7) Chloroethane-d5	2.89	69	77347	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.84%
10) 1,1-Dichloroethene-d2	4.03	63	144961	20.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.68%
20) 2-Butanone-d5	7.08	46	74125	63.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.38%
24) Chloroform-d	7.65	84	202414	27.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.08%
26) 1,2-Dichloroethane-d4	8.31	65	115293	29.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.84%
29) Benzene-d6	8.27	84	414479	30.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	120.92%
33) 1,2-Dichloropropane-d6	9.27	67	129612	31.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.60%#
37) Toluene-d8	10.32	98	357280	28.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.00%
38) trans-1,3-Dichloropropene-	10.58	79	56748	30.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	122.88%
39) 2-Hexanone-d5	10.93	63	58977	75.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	150.68%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110528	32.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	131.80%#
61) 1,2-Dichlorobenzene-d4	13.85	152	76430	25.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.00%

Target Compounds

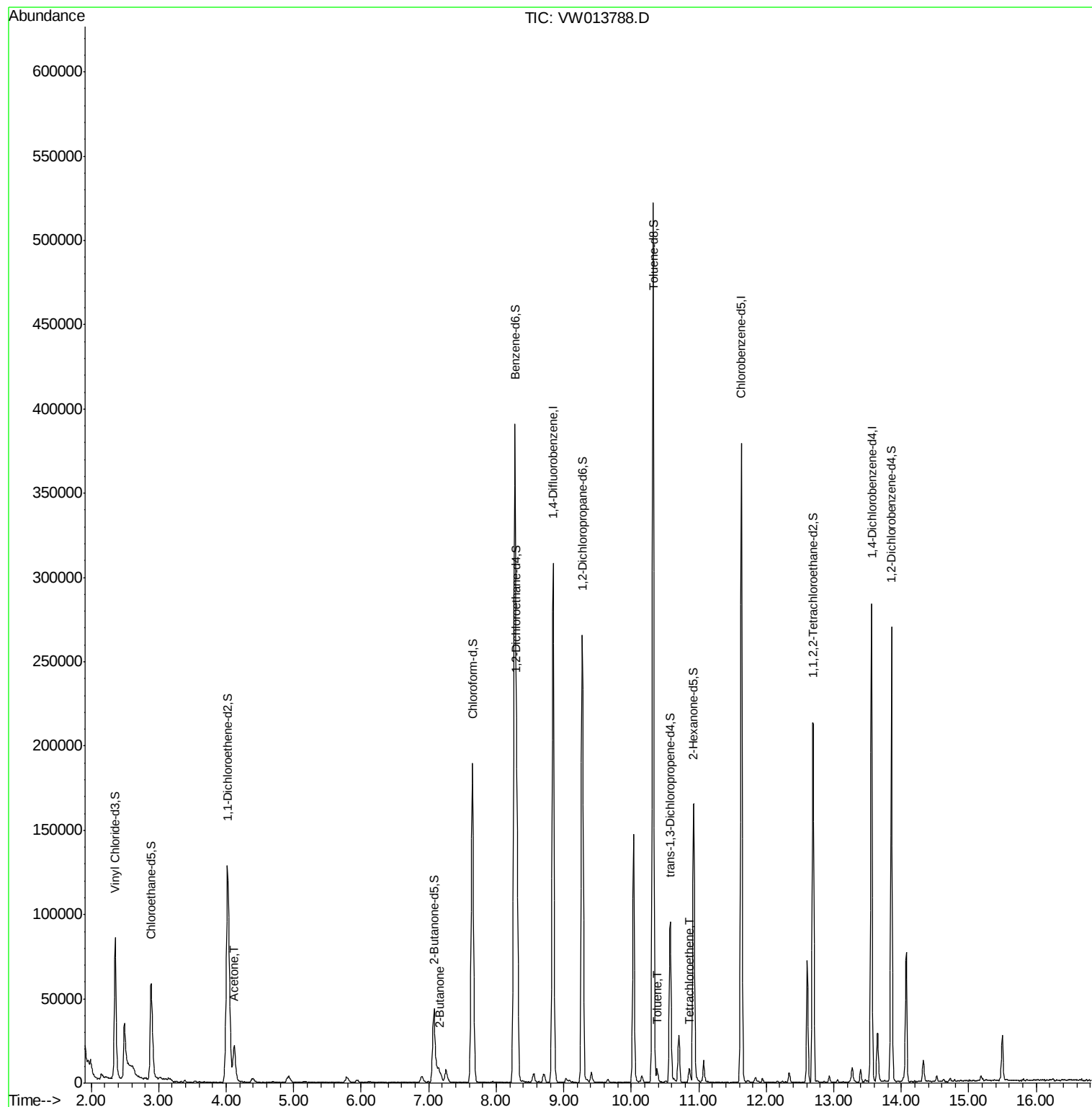
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	37147	28.756	ug/L	97
21) 2-Butanone	7.17	43	6563	4.001	ug/L	97
44) Toluene	10.39	91	5838	0.332	ug/L	90
47) Tetrachloroethene	10.86	164	2299	0.598	ug/L	82

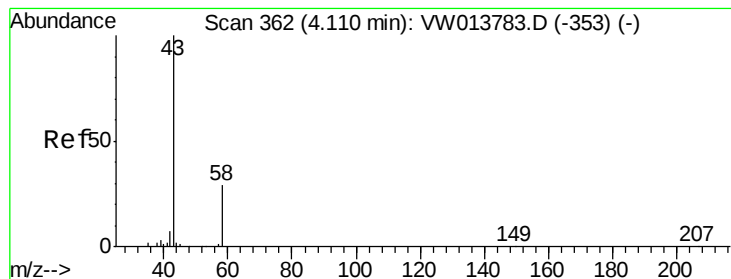
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 28.756 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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Acq: 29 Oct 2019 12:57

Instrument :

MSVOA_W

ClientSampled :

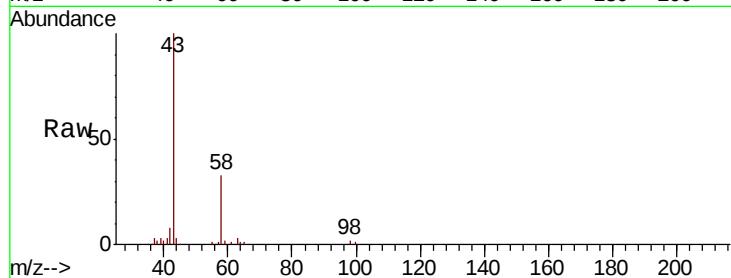
GAQ76

Tot Ion: 43 Resp: 37147

Ion Ratio Lower Upper

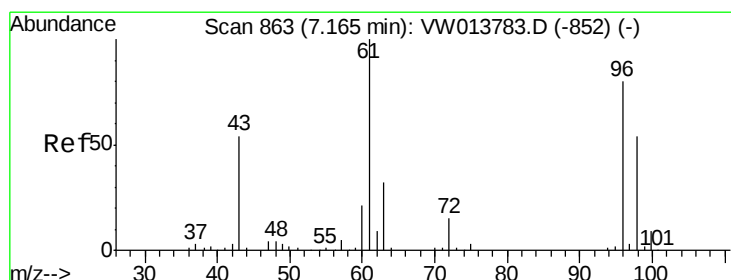
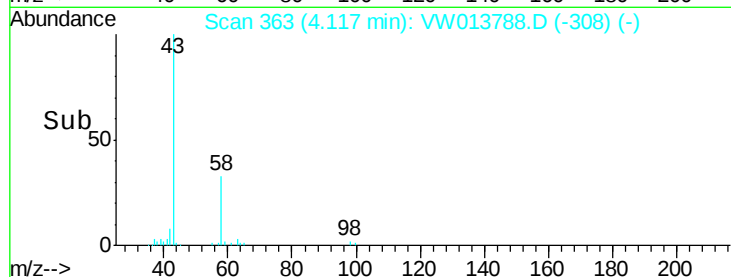
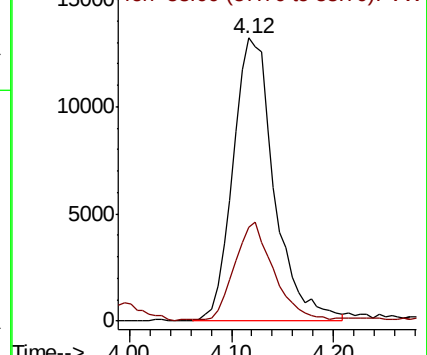
43 100

58 33.3 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 4.001 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013788.D

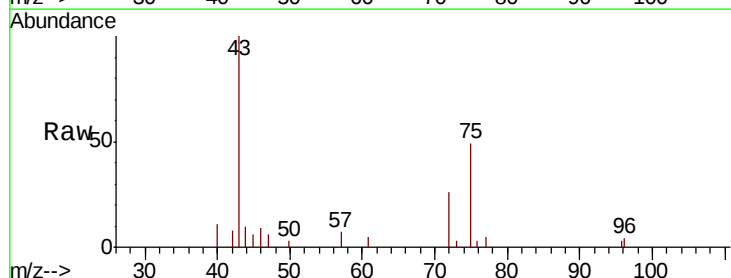
Acq: 29 Oct 2019 12:57

Tgt Ion: 43 Resp: 6563

Ion Ratio Lower Upper

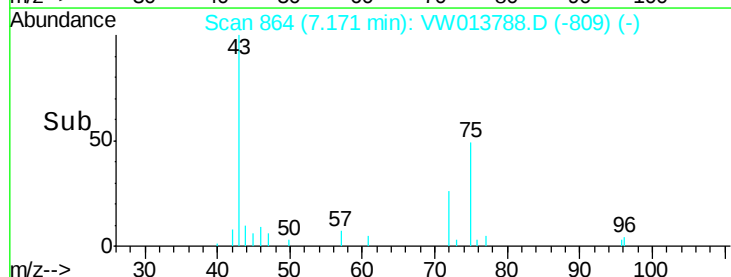
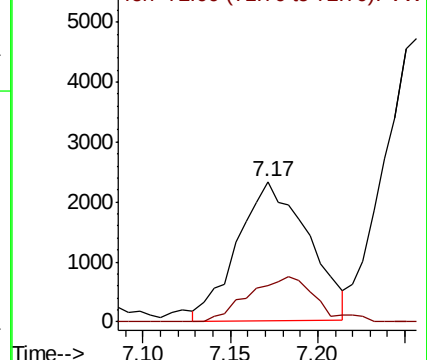
43 100

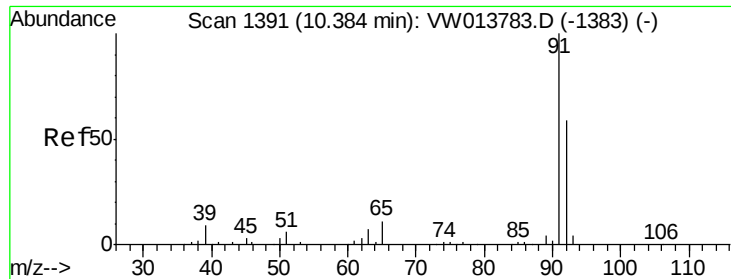
72 29.1 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#44

Toluene

Concen: 0.332 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

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Acq: 29 Oct 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

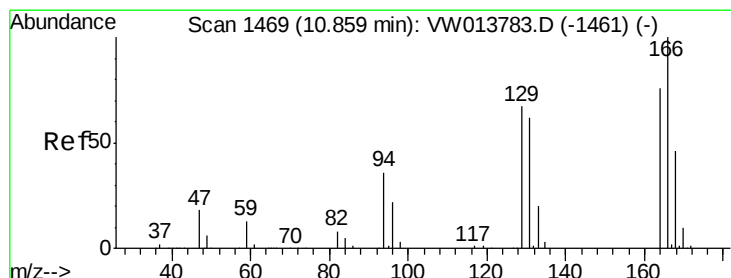
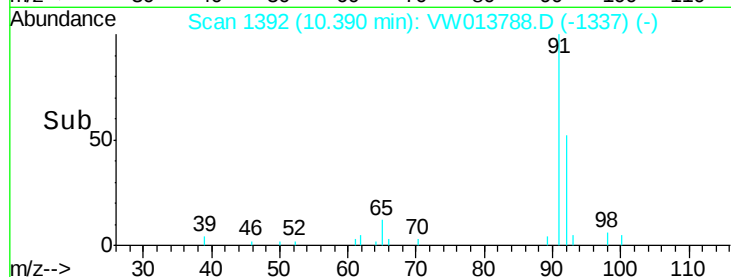
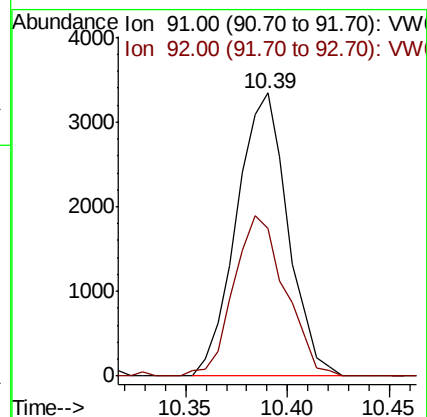
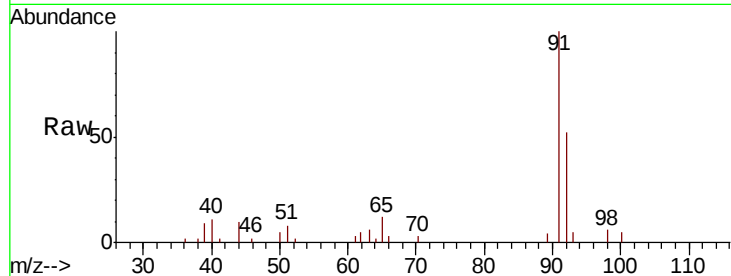
GAQ76

Tot Ion: 91 Resp: 5838

Ion Ratio Lower Upper

91 100

92 52.2 42.0 78.0



#47

Tetrachloroethene

Concen: 0.598 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013788.D

Acq: 29 Oct 2019 12:57

Tgt Ion: 164 Resp: 2299

Ion Ratio Lower Upper

164 100

129 70.5 61.8 114.8

131 65.8 59.2 110.0

166 109.8 89.2 165.8

