

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\
 Data File : VW014184.D
 Acq On : 29 Nov 2019 16:26
 Operator : SY/VA
 Sample : K6089-14
 Misc : 3.19G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0BR2

Manual Integrations
 APPROVED

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 12/2/2019 3:19:30 PM

Quant Time: Nov 30 06:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 30 04:10:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	56510	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	21430	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	2983	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	33287	36.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	147.68%
7) Chloroethane-d5	2.89	69	38960	53.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	213.20%#
10) 1,1-Dichloroethene-d2	4.01	63	42652	23.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.20%
20) 2-Butanone-d5	7.07	46	65451	249.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	499.76%#
24) Chloroform-d	7.65	84	102945	59.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	237.00%#
26) 1,2-Dichloroethane-d4	8.31	65	47806	54.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	218.92%#
29) Benzene-d6	8.27	84	155285	102.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	408.52%#
33) 1,2-Dichloropropane-d6	9.27	67	59208	132.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	531.72%#
37) Toluene-d8	10.32	98	56064	38.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	155.52%#
38) trans-1,3-Dichloropropene-	10.58	79	4887	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.48%
39) 2-Hexanone-d5	10.92	63	17618	208.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	417.18%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	35497	105.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	422.16%#
61) 1,2-Dichlorobenzene-d4	13.86	152	3906	32.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	130.36%#

Target Compounds

					Ovalue	
13) Acetone	4.12	43	2235m	8.385	ug/L	
16) Methylene chloride	4.92	84	3601	3.310	ug/L	89
30) Cyclohexane	7.96	56	1281m	1.868	ug/L	
36) Methylcyclohexane	9.33	83	2342	3.115	ug/L	92
44) Toluene	10.39	91	946	0.552	ug/L	99

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

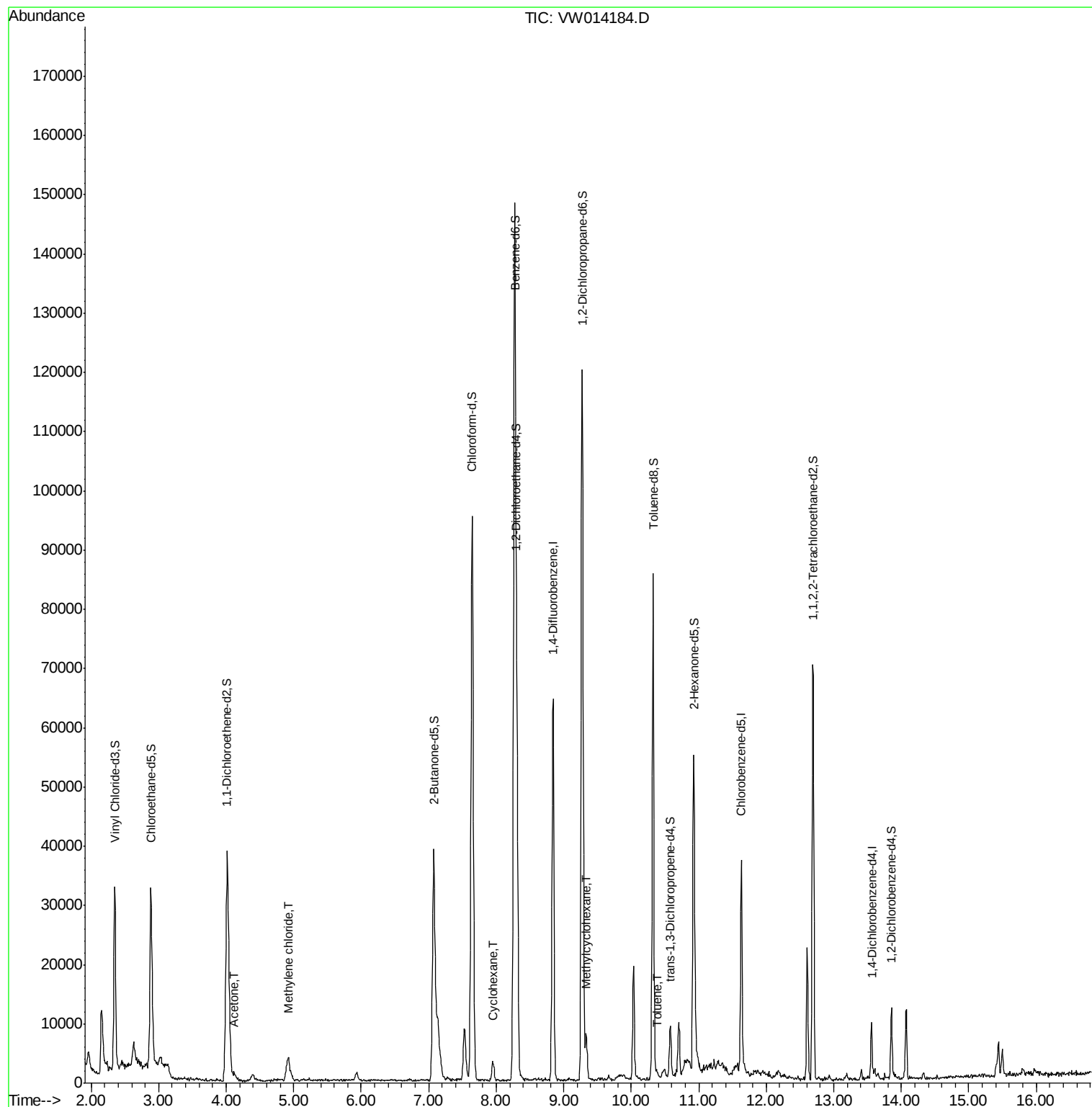
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112919\
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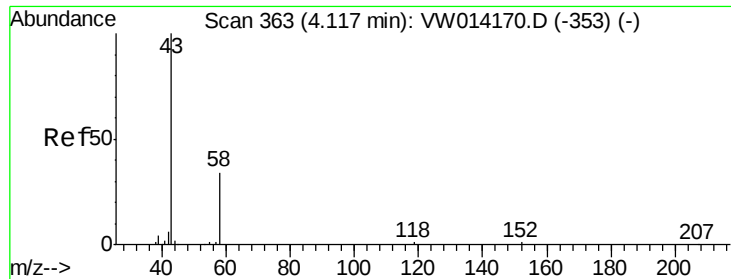
Instrument :
MSVOA_W
ClientSampleId :
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Quant Time: Nov 30 06:05:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 30 04:10:38 2019
Response via : Initial Calibration





#13

Acetone

Concen: 8.385 ug/L m

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

C0BR2

Tot Ion: 43 Resp: 2235

Ion Ratio Lower Upper

43 100

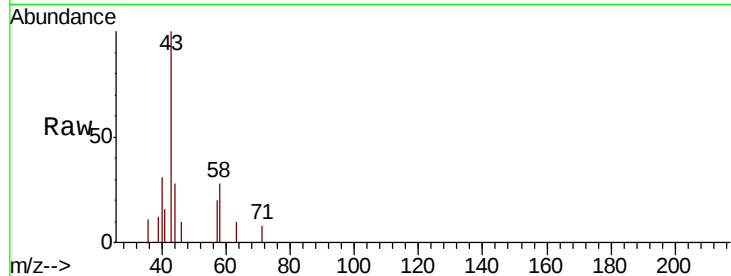
58 21.1 0.0 65.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

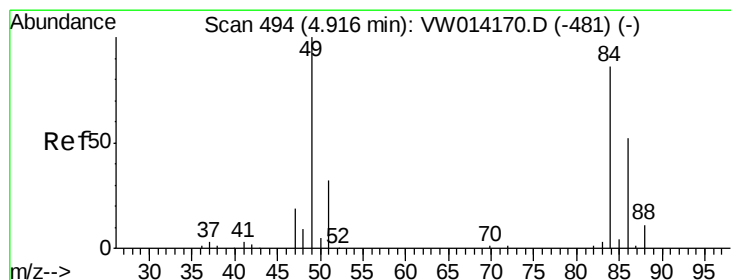
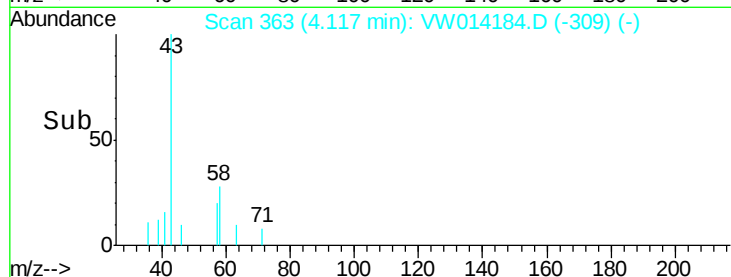
600

400

200

0

Time--> 4.00 4.10 4.20



#16

Methylene chloride

Concen: 3.310 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

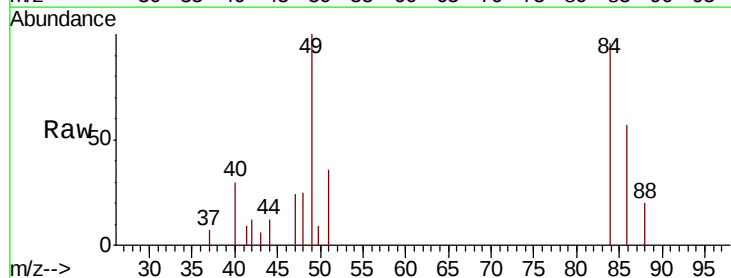
Tgt Ion: 84 Resp: 3601

Ion Ratio Lower Upper

84 100

49 104.3 84.2 156.4

86 59.9 43.7 81.1



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

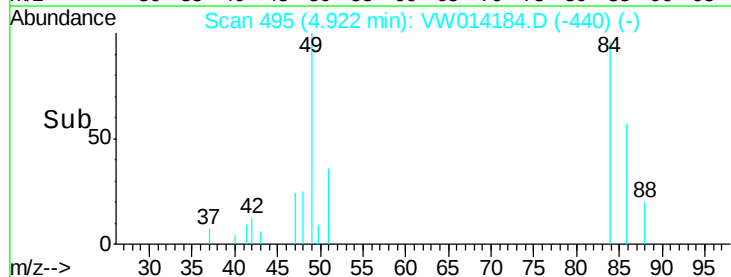
1500

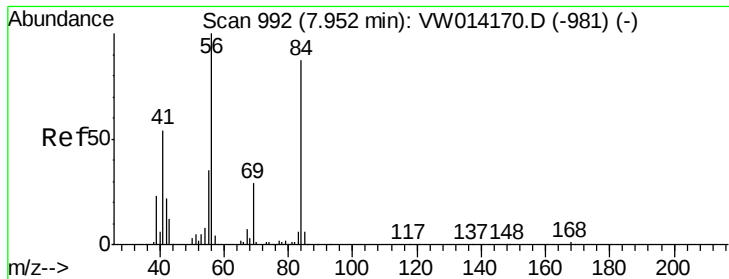
1000

500

0

Time--> 4.80 4.85 4.90 4.95 5.00





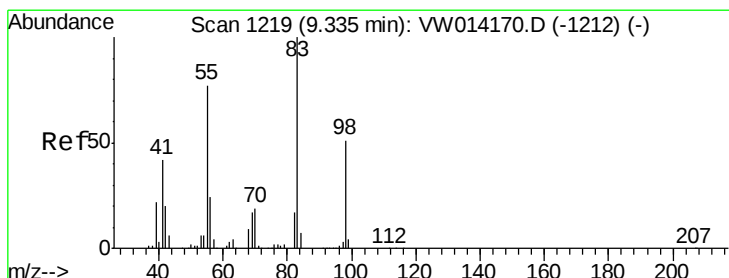
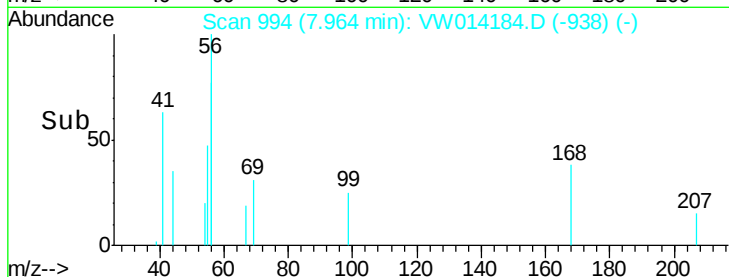
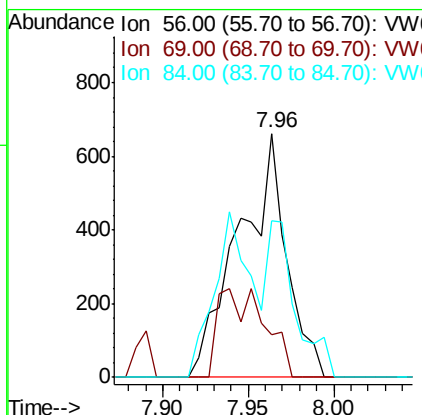
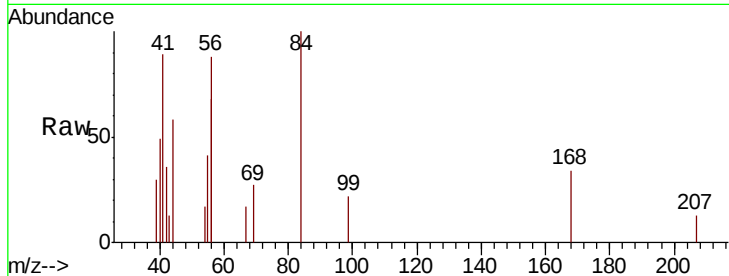
#30
Cyclohexane
Concen: 1.868 ug/L m
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW014184.D
Acq: 29 Nov 2019 16:26

Instrument :
MSVOA_W
ClientSampled :
C0BR2

Tot Ion	Ratio	Lower	Upper
56	100		
69	17.6	24.6	37.0#
84	51.1	70.2	105.2#

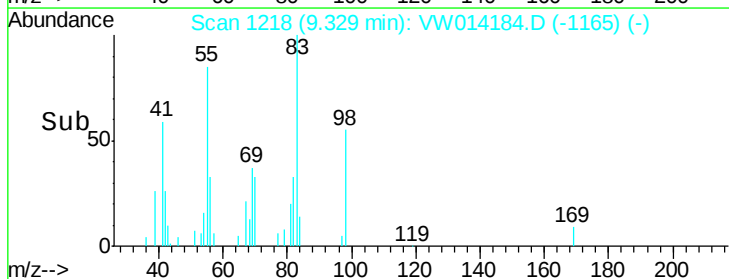
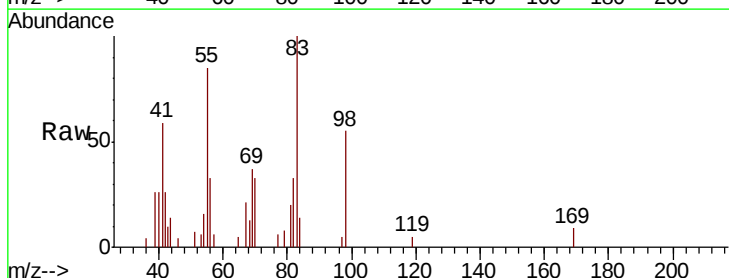
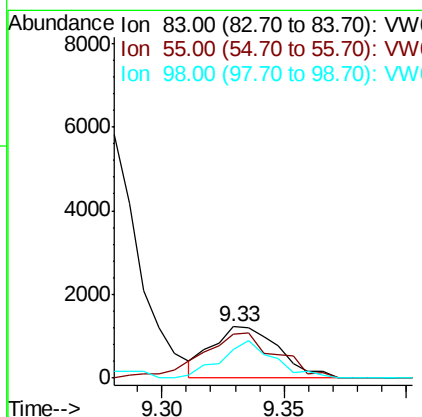
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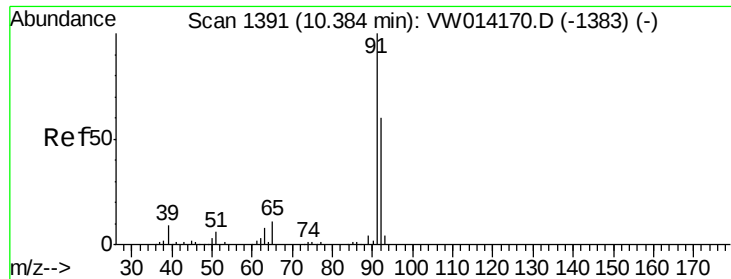
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#36
Methylcyclohexane
Concen: 3.115 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014184.D
Acq: 29 Nov 2019 16:26

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.1	59.8	89.8
98	57.9	39.5	59.3





#44

Toluene

Concen: 0.552 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014184.D

Acq: 29 Nov 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

C0BR2

Tot Ion: 91 Resp: 946

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.7

Manual Integrations

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