

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032019\
 Data File : VW009311.D
 Acq On : 21 Mar 2019 03:12
 Operator : SY/VA
 Sample : K1988-12
 Misc : 5.25G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0C3

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:43:35 AM

Quant Time: Mar 22 09:46:29 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 21 12:20:05 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	382347	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	361434	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	176866	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112457	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.44%
7) Chloroethane-d5	2.89	69	106248	19.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.48%
10) 1,1-Dichloroethene-d2	4.01	63	172166	17.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.72%
20) 2-Butanone-d5	7.07	46	81469	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.65	84	245213	23.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	8.31	65	146257	23.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.08%
29) Benzene-d6	8.27	84	456709	22.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.64%
33) 1,2-Dichloropropane-d6	9.27	67	139082	23.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.92%
37) Toluene-d8	10.32	98	401445	21.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.12%
38) trans-1,3-Dichloropropene-	10.58	79	59540	19.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.20%
39) 2-Hexanone-d5	10.93	63	60919	42.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134013	22.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	155955	23.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.00%

Target Compounds

					Ovalue
18) trans-1,2-Dichloroethene	5.42	96	2534m	0.512 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	420064	78.334 ug/L	97
35) Trichloroethene	9.09	95	415999	78.917 ug/L	99
47) Tetrachloroethene	10.86	164	11845	2.659 ug/L	89

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

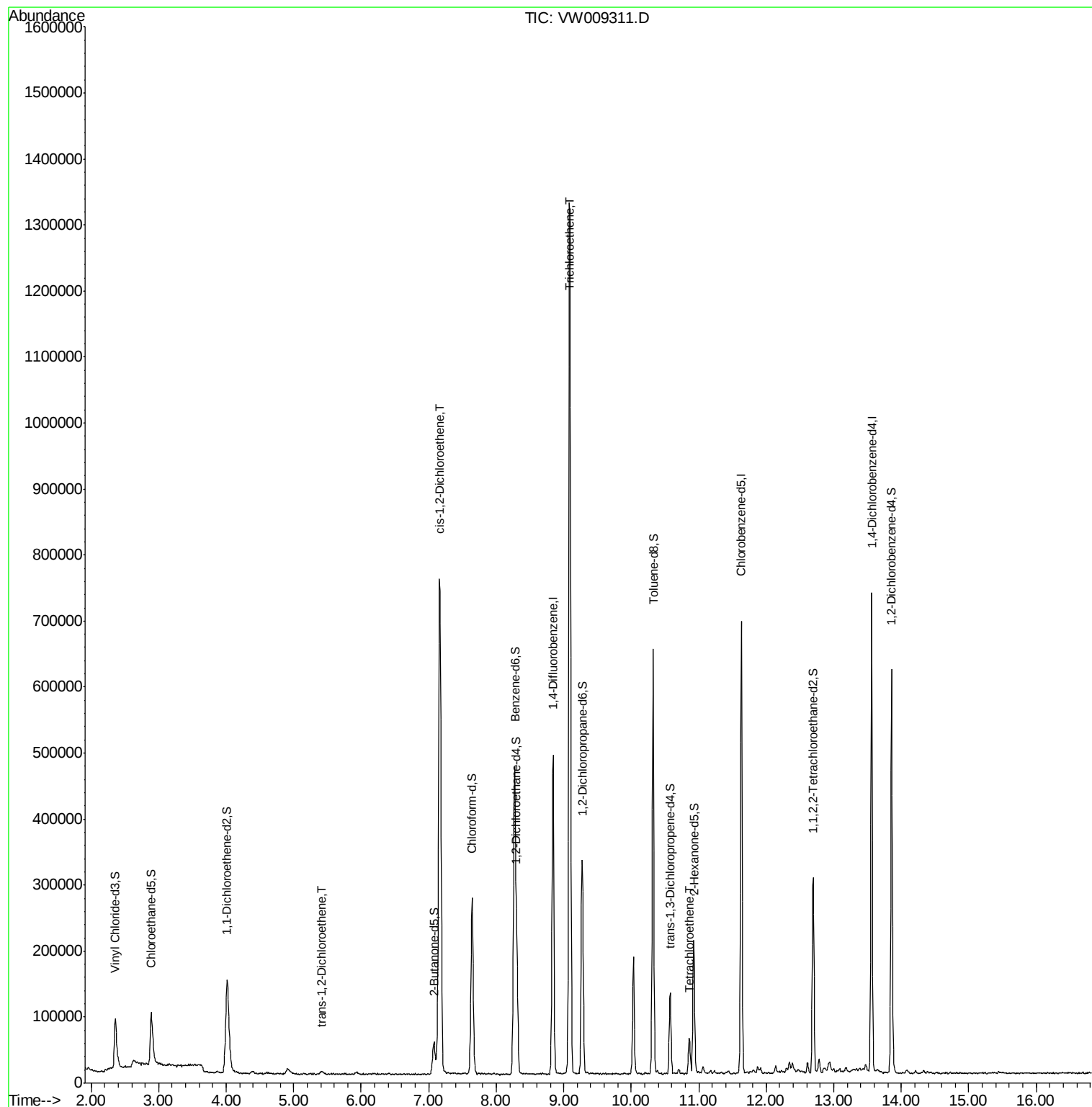
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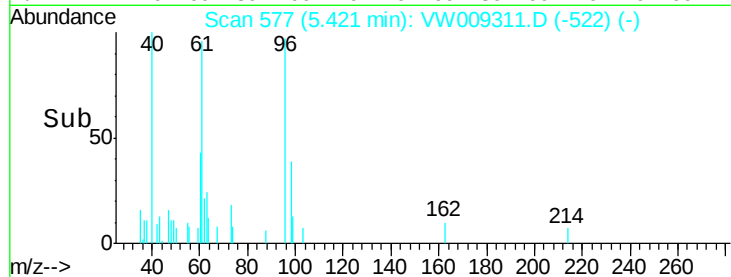
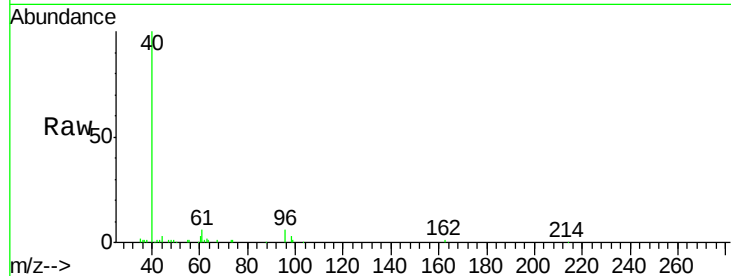
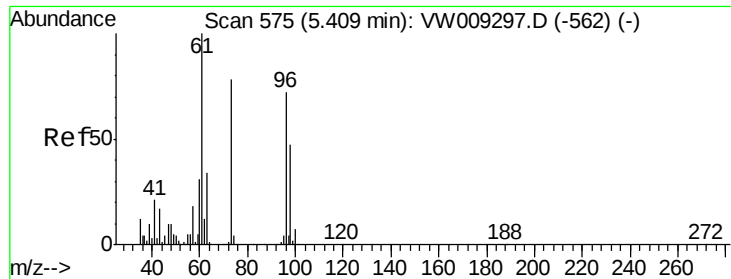
Instrument :
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ClientSampleId :
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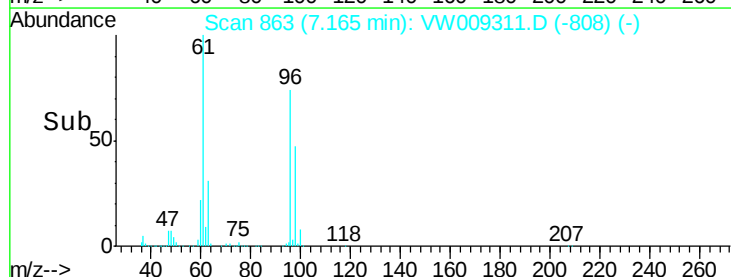
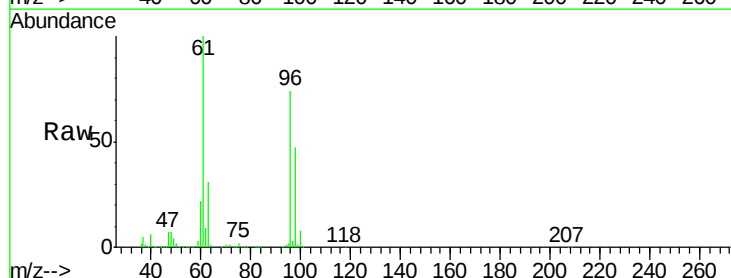
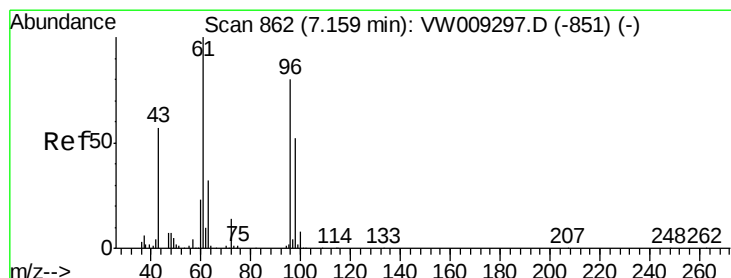
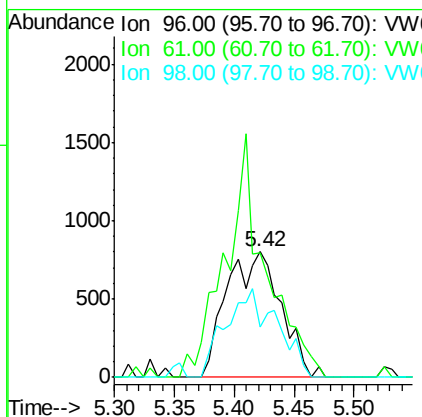
#18
trans-1,2-Dichloroethene
Concen: 0.512 ug/L m
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW009311.D
Acq: 21 Mar 2019 03:12

Tot Ion	Ratio	Lower	Upper
96	100		
61	99.5	96.7	179.5
98	40.4	43.8	81.4#

Instrument :
MSVOA_W
ClientSampled :
BF0C3

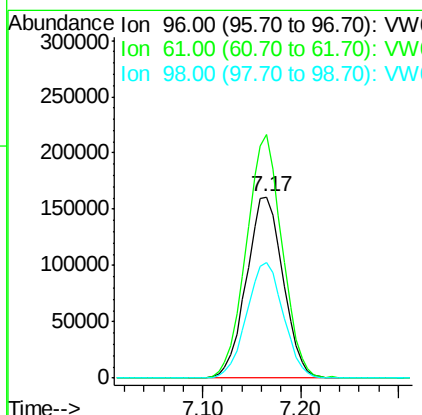
Manual Integrations
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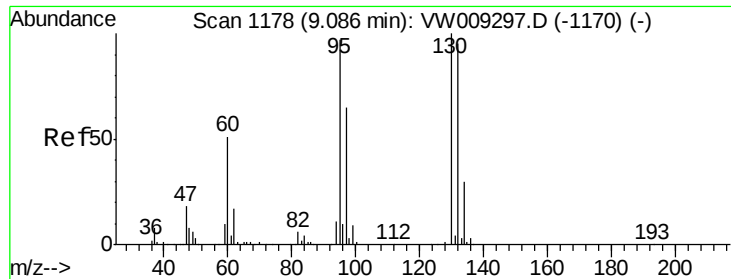
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#22
cis-1,2-Dichloroethene
Concen: 78.334 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW009311.D
Acq: 21 Mar 2019 03:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.5	90.6	168.3
98	63.9	44.0	81.8





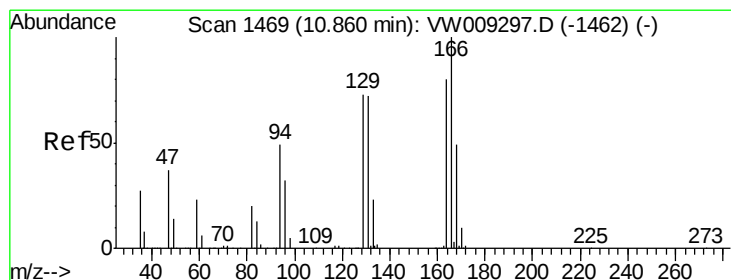
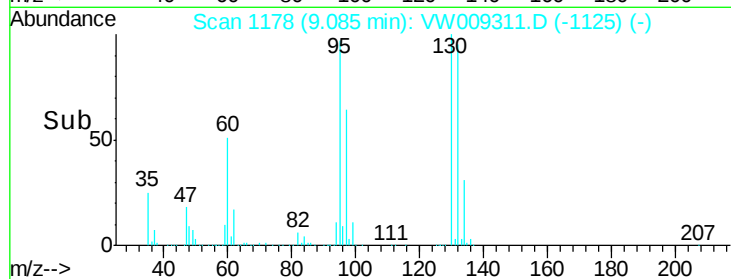
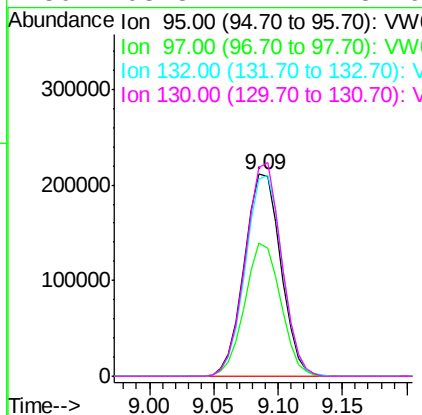
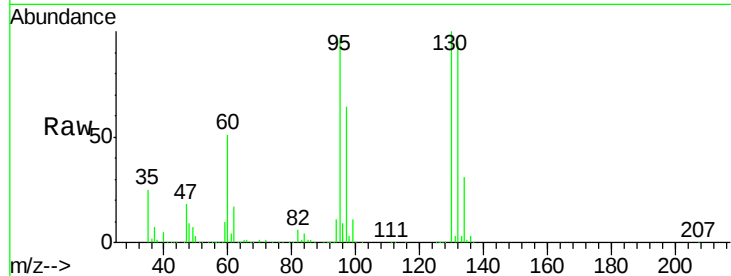
#35
 Trichloroethene
 Concen: 78.917 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW009311.D
 Acq: 21 Mar 2019 03:12

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		415999		
97	64.7	44.7		82.9	
132	99.5	69.0		128.2	
130	103.8	72.7		134.9	

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#47
 Tetrachloroethene
 Concen: 2.659 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW009311.D
 Acq: 21 Mar 2019 03:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		11845		
129	95.5	66.5		123.5	
131	100.2	62.6		116.3	
166	109.2	91.6		170.0	

