

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
 Data File : VW009323.D
 Acq On : 21 Mar 2019 13:25
 Operator : SY/VA
 Sample : K1988-20
 Misc : 5.73G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0D2

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 3:00:37 AM

Quant Time: Mar 22 10:03:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 09:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	397244	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	379940	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175653	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	121944	25.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.76%
7) Chloroethane-d5	2.89	69	118971	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
10) 1,1-Dichloroethene-d2	4.01	63	186023	18.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.52%
20) 2-Butanone-d5	7.07	46	59853	30.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.98%
24) Chloroform-d	7.65	84	263294	24.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.16%
26) 1,2-Dichloroethane-d4	8.30	65	151352	23.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.72%
29) Benzene-d6	8.27	84	494096	23.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.32%
33) 1,2-Dichloropropane-d6	9.27	67	151374	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.20%
37) Toluene-d8	10.32	98	441842	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.24%
38) trans-1,3-Dichloropropene-	10.58	79	61311	19.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.60%
39) 2-Hexanone-d5	10.93	63	42250	27.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	55.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126177	20.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	171161	25.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.64%

Target Compounds

					Ovalue
16) Methylene chloride	4.91	84	9290m	1.604	ug/L
22) cis-1,2-Dichloroethene	7.16	96	39500	7.090	ug/L
35) Trichloroethene	9.09	95	3056833	551.647	ug/L
47) Tetrachloroethene	10.86	164	37646	8.040	ug/L

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

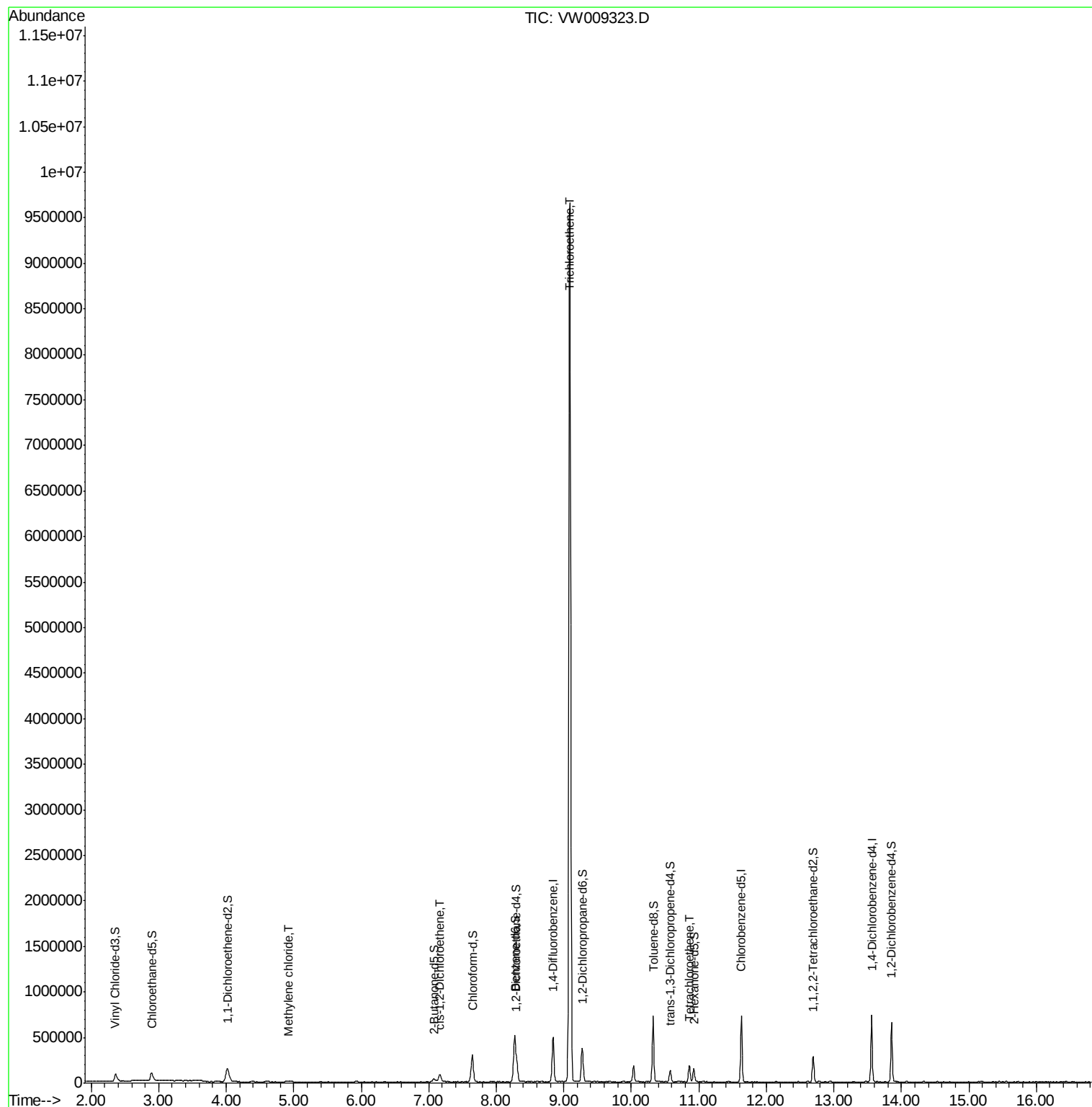
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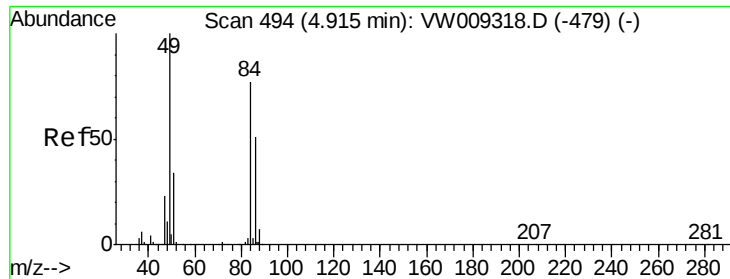
Instrument :
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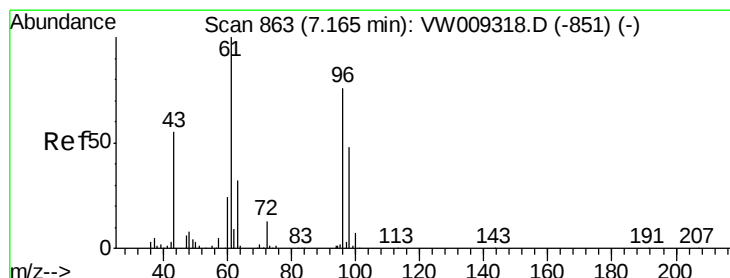
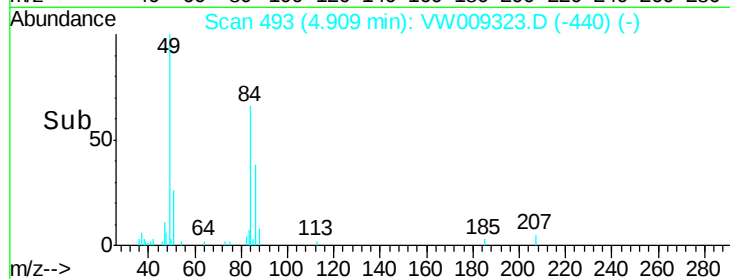
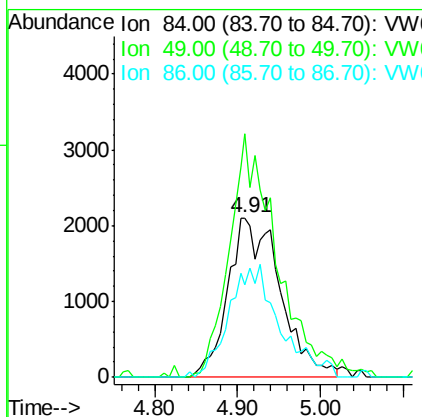
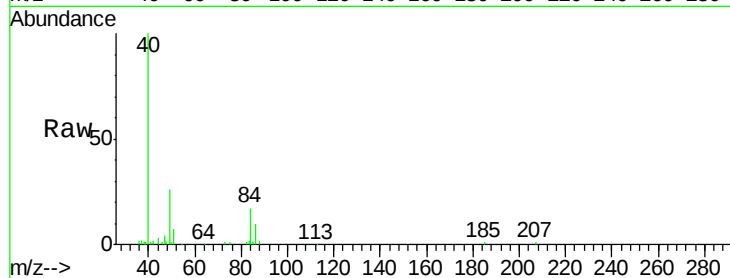
#16
Methvlene chloride
Concen: 1.604 ug/L m
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009323.D
Acq: 21 Mar 2019 13:25

Instrument :
MSVOA_W
ClientSampleId :
BF0D2

Tot Ion	Ratio	Lower	Upper
84	100		
49	152.5	96.0	178.2
86	58.2	44.4	82.5

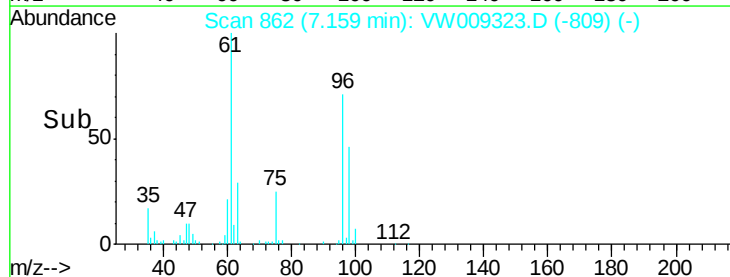
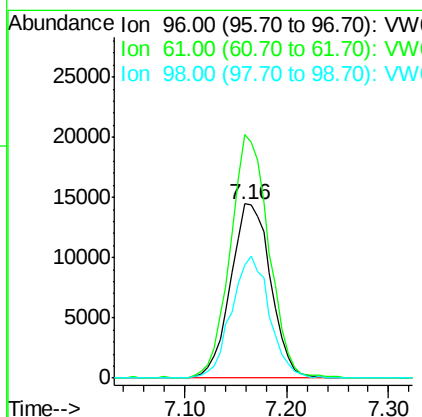
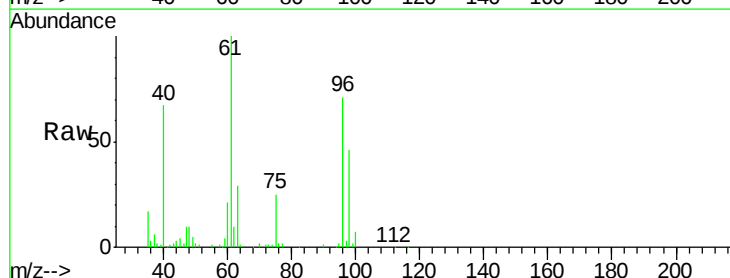
Manual Integrations
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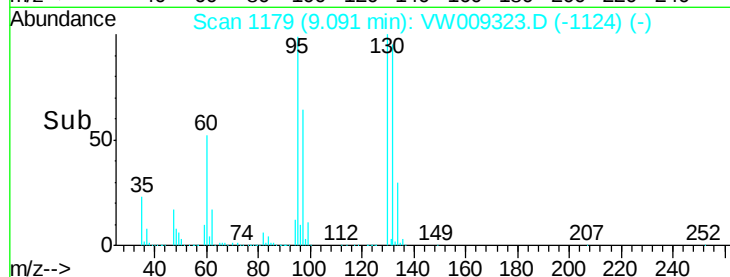
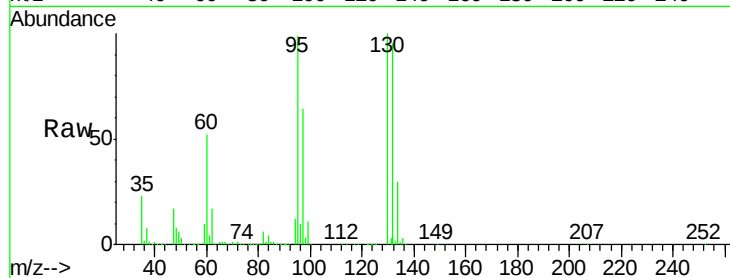
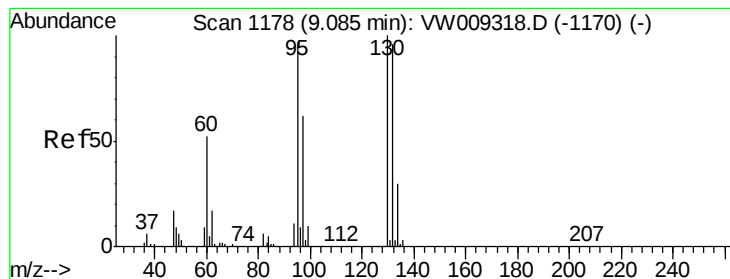
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3/23/2019 3:00:37 AM



#22
cis-1,2-Dichloroethene
Concen: 7.090 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009323.D
Acq: 21 Mar 2019 13:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.0	90.6	168.3
98	65.0	44.0	81.8





#35

Trichloroethene

Concen: 551.647 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009323.D

Acq: 21 Mar 2019 13:25

Tot Ion: 95 Resp: 3056833

Ion Ratio Lower Upper

95 100

97 64.4 44.7 82.9

132 96.3 69.0 128.2

130 100.8 72.7 134.9

Instrument :

MSVOA_W

ClientSampled :

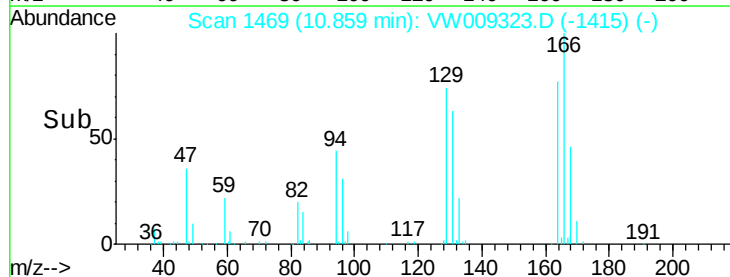
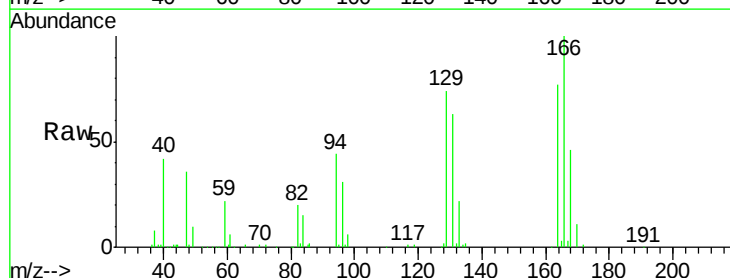
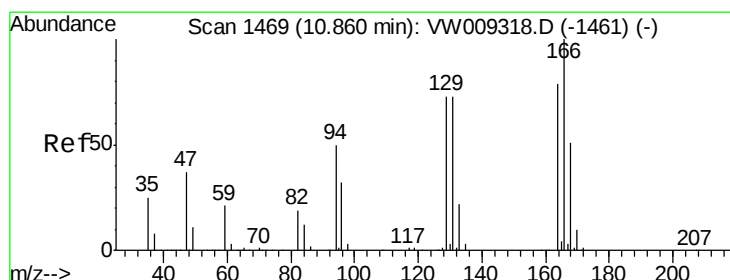
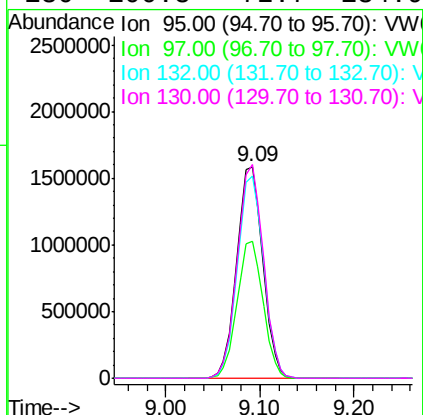
BF0D2

Manual Integrations

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3/23/2019 3:00:37 AM



#47

Tetrachloroethene

Concen: 8.040 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009323.D

Acq: 21 Mar 2019 13:25

Tgt Ion:164 Resp: 37646

Ion Ratio Lower Upper

164 100

129 96.1 66.5 123.5

131 82.6 62.6 116.3

166 130.5 91.6 170.0

