

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032019\
 Data File : VW009283.D
 Acq On : 20 Mar 2019 13:21
 Operator : SY/VA
 Sample : K1986-05
 Misc : 6.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0B2

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:43:22 AM

Quant Time: Mar 22 07:08:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 10:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	384819	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	358865	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	173084	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	107465	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.48%
7) Chloroethane-d5	2.89	69	101960	18.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.80%
10) 1,1-Dichloroethene-d2	4.01	63	170239	17.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.52%
20) 2-Butanone-d5	7.08	46	75069	39.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.94%
24) Chloroform-d	7.64	84	227048	21.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.48%
26) 1,2-Dichloroethane-d4	8.30	65	137034	21.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.64%
29) Benzene-d6	8.27	84	436155	22.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.16%
33) 1,2-Dichloropropane-d6	9.27	67	130273	21.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.68%
37) Toluene-d8	10.32	98	389843	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.20%
38) trans-1,3-Dichloropropene-	10.58	79	59587	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.84%
39) 2-Hexanone-d5	10.93	63	56740	39.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123519	21.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	147000	22.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.60%

Target Compounds					Ovalue	
16) Methylene chloride	4.92	84	10918m	1.946	ug/L	
22) cis-1,2-Dichloroethene	7.16	96	167959	31.120	ug/L	96
35) Trichloroethene	9.09	95	169113	32.311	ug/L	98
47) Tetrachloroethene	10.86	164	81086	18.335	ug/L	98

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

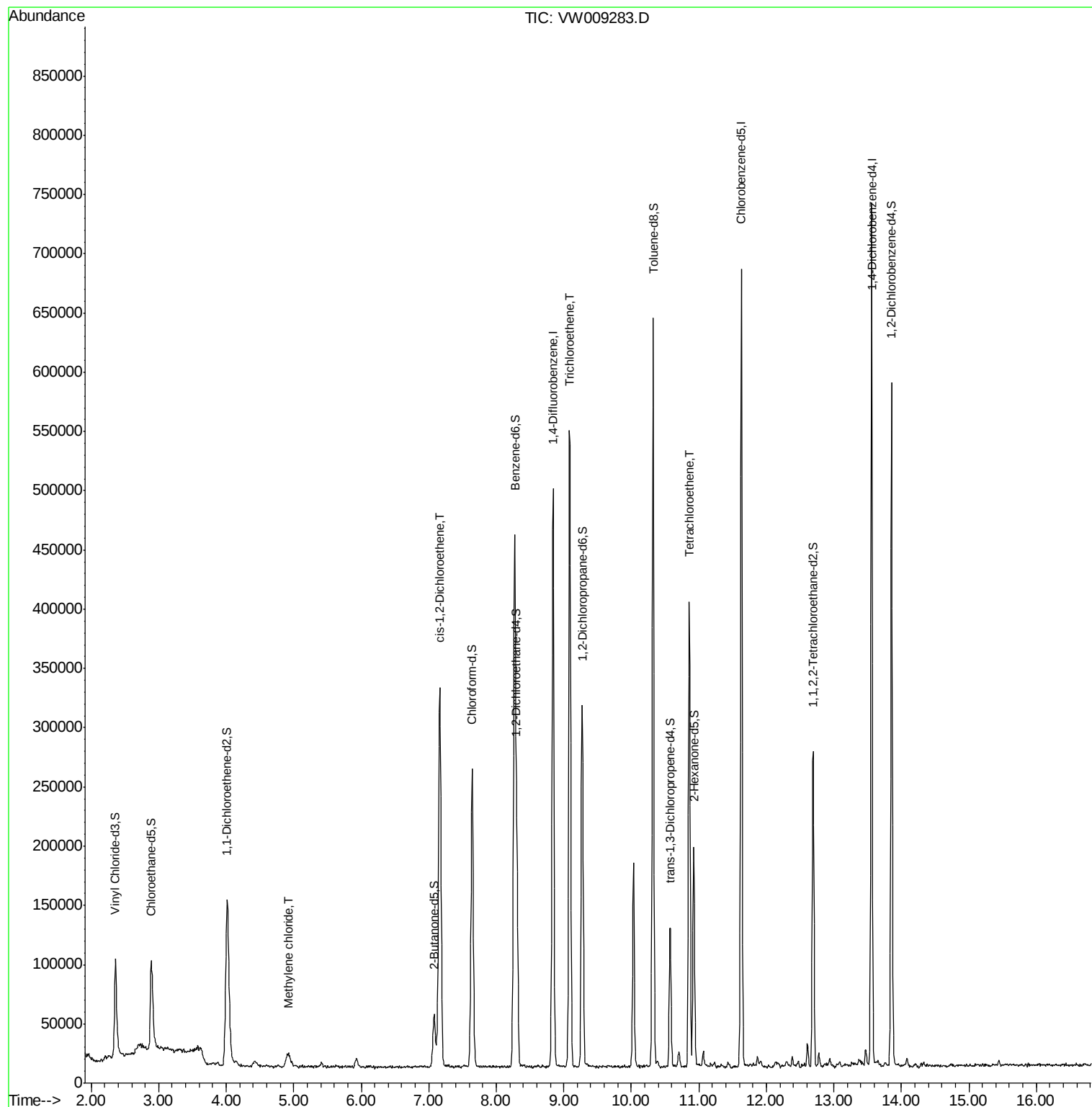
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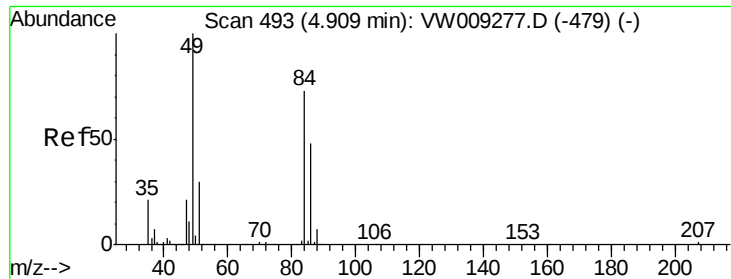
Instrument :
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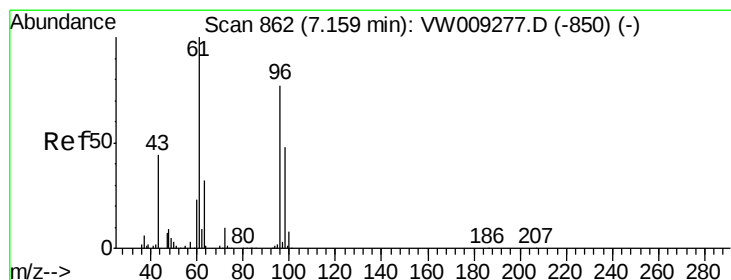
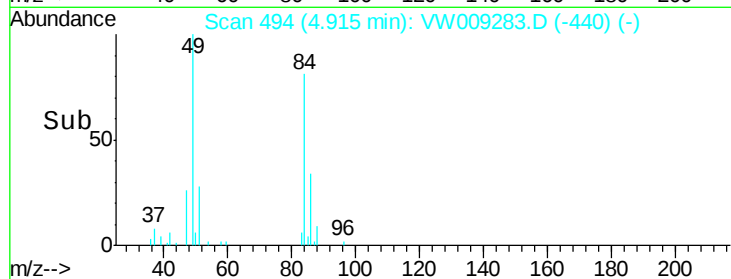
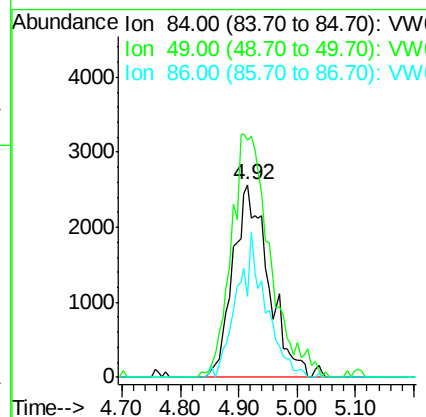
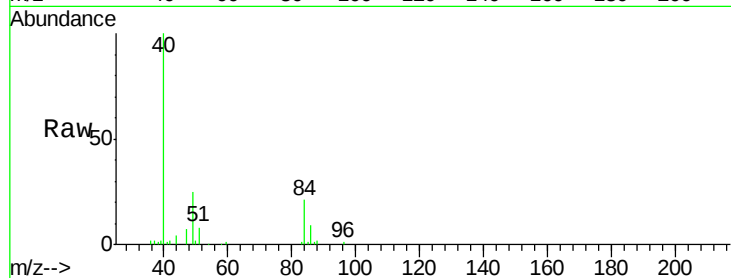
#16
Methvlene chloride
Concen: 1.946 ug/L m
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009283.D
Acq: 20 Mar 2019 13:21

Instrument :
MSVOA_W
ClientSampleId :
BF0B2

Tot Ion	Ratio	Lower	Upper
84	100		
49	122.9	96.0	178.2
86	42.4	44.4	82.5#

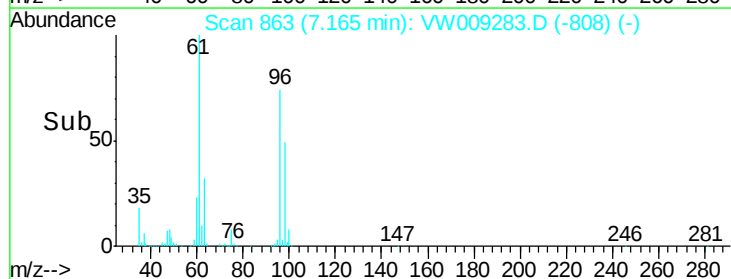
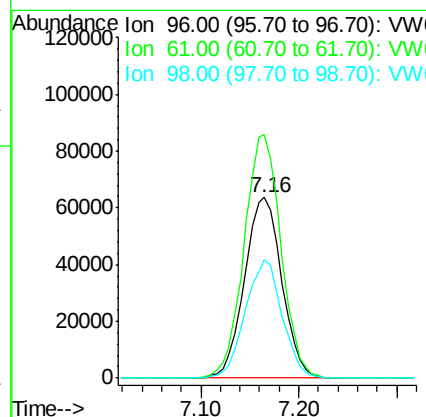
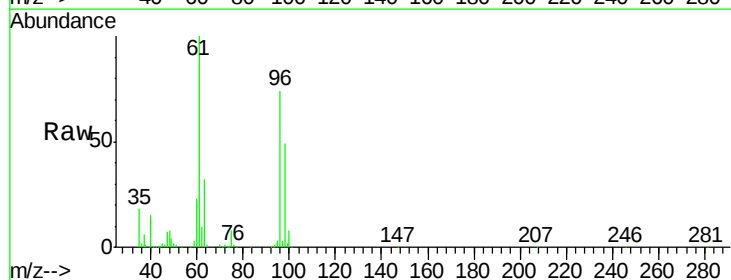
Manual Integrations
APPROVED

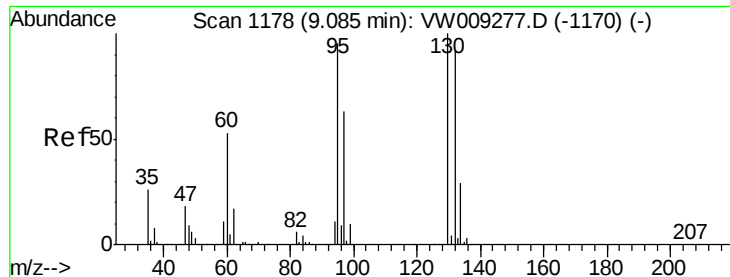
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#22
cis-1,2-Dichloroethene
Concen: 31.120 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW009283.D
Acq: 20 Mar 2019 13:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.0	90.6	168.3
98	65.6	44.0	81.8





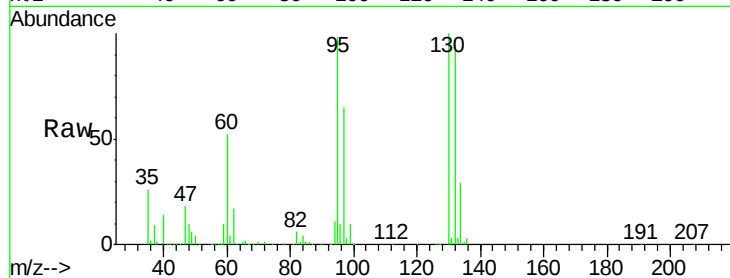
#35
 Trichloroethene
 Concen: 32.311 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW009283.D
 Acq: 20 Mar 2019 13:21

Instrument :
 MSVOA_W
 ClientSampled :
 BF0B2

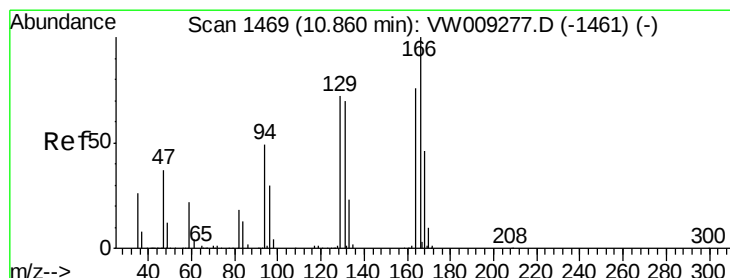
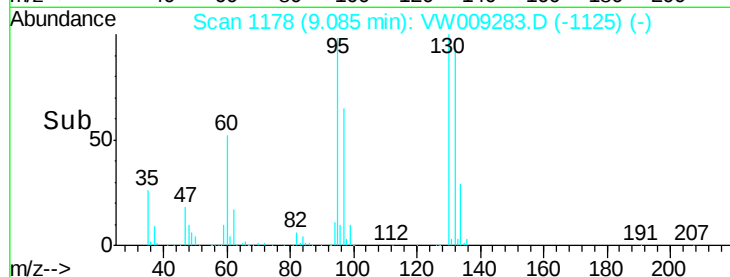
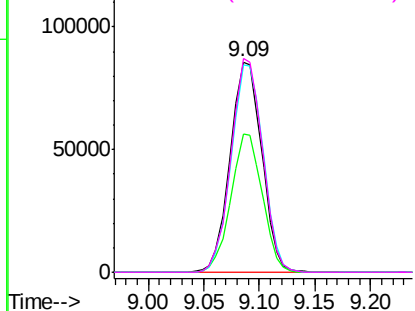
Tot Ion	95	Resp	169113
Ion Ratio	Lower	Upper	
95	100		
97	65.3	44.7	82.9
132	99.8	69.0	128.2
130	100.9	72.7	134.9

Manual Integrations
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Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



#47
 Tetrachloroethene
 Concen: 18.335 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW009283.D
 Acq: 20 Mar 2019 13:21

Tgt Ion	164	Resp	81086
Ion Ratio	Lower	Upper	
164	100		
129	93.0	66.5	123.5
131	92.0	62.6	116.3
166	127.7	91.6	170.0

Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

