

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV032619\  
 Data File : VV009902.D  
 Acq On : 26 Mar 2019 19:02  
 Operator : SY/MD  
 Sample : K2083-15  
 Misc : 5.53G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 BF0J2

Quant Time: Mar 27 02:19:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 27 01:42:27 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	132246	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	134936	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57798	25.00	ug/L	0.00

## System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67054	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
7) Chloroethane-d5	1.57	69	72497	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.04%
10) 1,1-Dichloroethene-d2	2.13	63	147307	20.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.28%
20) 2-Butanone-d5	3.93	46	29599	59.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.38%
24) Chloroform-d	4.40	84	84271	25.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.04%
26) 1,2-Dichloroethane-d4	5.08	65	55275	27.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.04%
29) Benzene-d6	5.10	84	189774	26.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.12%
33) 1,2-Dichloropropane-d6	6.12	67	57378	27.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.72%
37) Toluene-d8	7.36	98	173191	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.28%
38) trans-1,3-Dichloropropene-	7.66	79	20145	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
39) 2-Hexanone-d5	8.13	63	20906	54.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	53553	26.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.36%
61) 1,2-Dichlorobenzene-d4	11.68	152	60705	27.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.36%

## Target Compounds

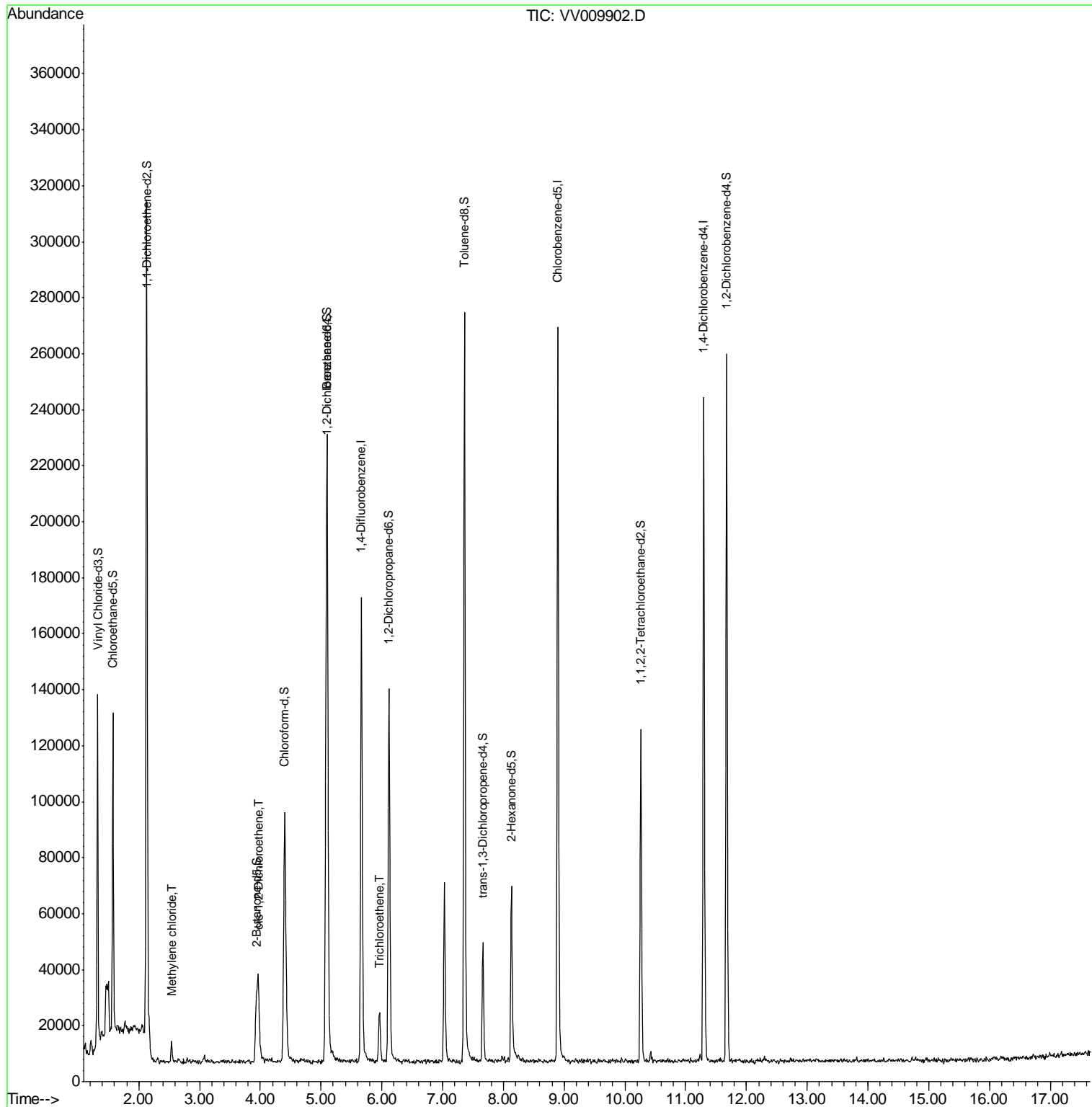
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Methylene chloride	2.54	84	2388	1.097	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	13165	6.881	ug/L	97
35) Trichloroethene	5.96	95	4687	2.398	ug/L	91

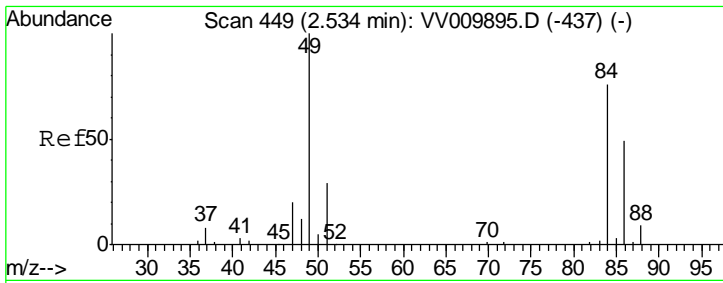
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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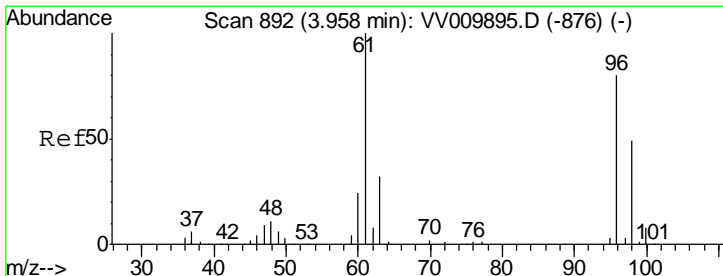
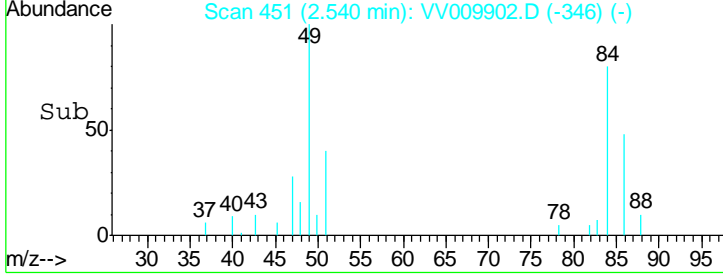
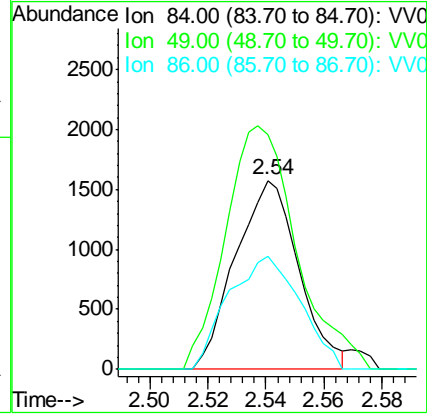
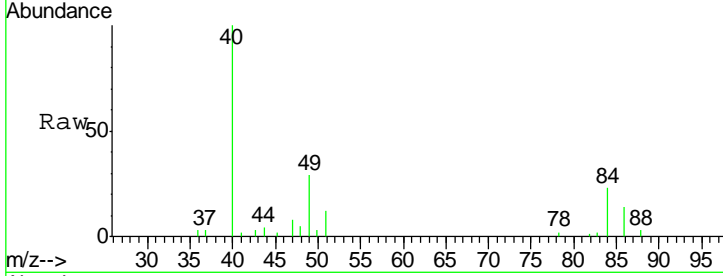




#16  
 Methylene chloride  
 Concen: 1.097 ug/L  
 RT: 2.54 min Scan# 451  
 Delta R.T. 0.01 min  
 Lab File: VV009902.D  
 Acq: 26 Mar 2019 19:02

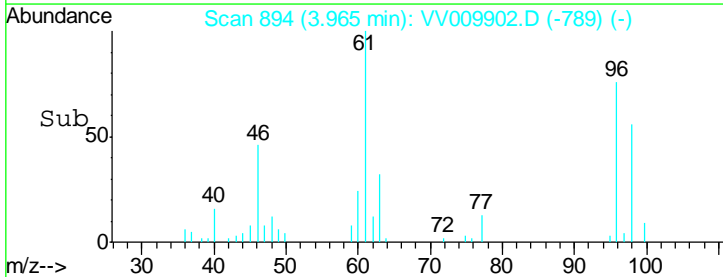
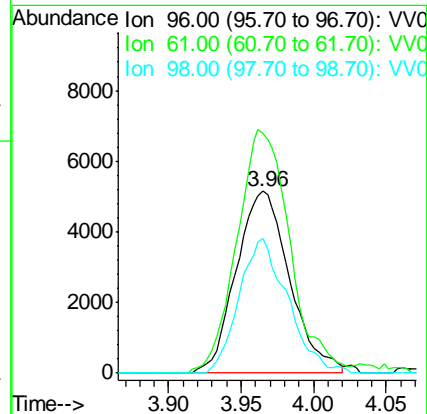
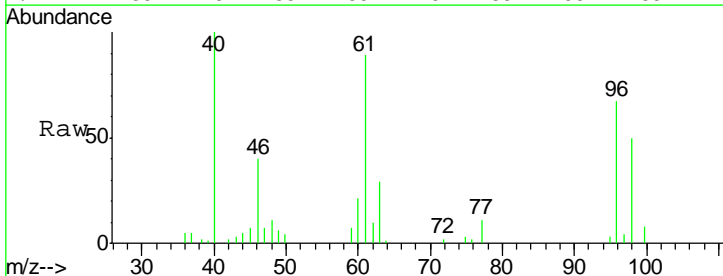
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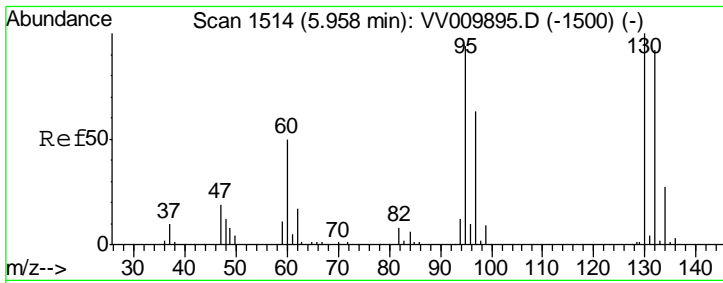
Tgt Ion	Resp	Lower	Upper
84	2388		
84	100		
49	124.7	90.4	167.8
86	59.6	44.0	81.6



#22  
 cis-1,2-Dichloroethene  
 Concen: 6.881 ug/L  
 RT: 3.96 min Scan# 894  
 Delta R.T. 0.01 min  
 Lab File: VV009902.D  
 Acq: 26 Mar 2019 19:02

Tgt Ion	Resp	Lower	Upper
96	13165		
96	100		
61	132.1	91.4	169.8
98	74.2	48.0	89.2



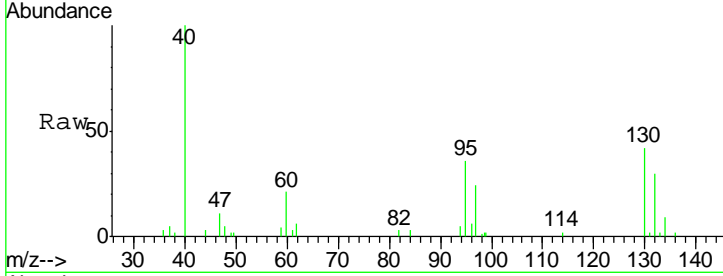


#35  
 Trichloroethene  
 Concen: 2.398 ug/L  
 RT: 5.96 min Scan# 1516  
 Delta R.T. 0.01 min  
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Tgt Ion: 95 Resp: 4687

Ion	Ratio	Lower	Upper
95	100		
97	74.0	46.3	85.9
132	97.4	69.3	128.7
130	115.2	69.5	129.1



Abundance Ion 95.00 (94.70 to 95.70): VV0  
 Ion 97.00 (96.70 to 97.70): VV0  
 Ion 132.00 (131.70 to 132.70): V  
 Ion 130.00 (129.70 to 130.70): V

