

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033019\
 Data File : VV010030.D
 Acq On : 30 Mar 2019 19:48
 Operator : SY/MD
 Sample : K2166-16
 Misc : 5.62G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0M6

Quant Time: Mar 31 21:18:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	117213	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	122253	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52424	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52054	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.52%
7) Chloroethane-d5	1.57	69	61501	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
10) 1,1-Dichloroethene-d2	2.13	63	112778	17.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.32%
20) 2-Butanone-d5	3.94	46	30267	68.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.58%#
24) Chloroform-d	4.40	84	65352	21.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.52%
26) 1,2-Dichloroethane-d4	5.08	65	54712	30.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.76%
29) Benzene-d6	5.10	84	152568	23.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.04%
33) 1,2-Dichloropropane-d6	6.12	67	52336	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.44%
37) Toluene-d8	7.36	98	134739	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.68%
38) trans-1,3-Dichloropropene-	7.66	79	14817	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.12%
39) 2-Hexanone-d5	8.13	63	22064	62.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51182	27.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.08%
61) 1,2-Dichlorobenzene-d4	11.68	152	51094	25.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.40%

Target Compounds

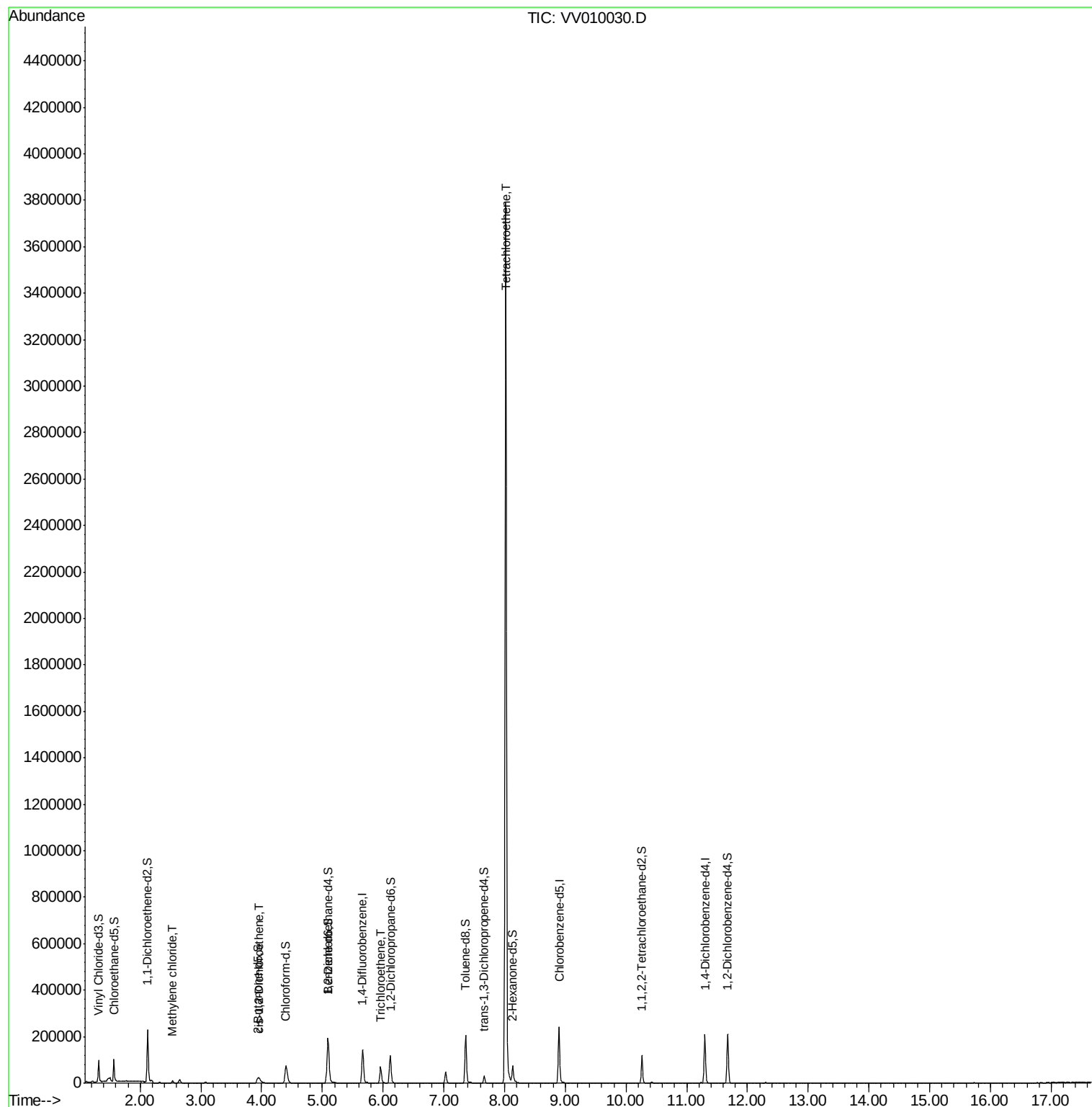
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.53	84	3897	2.019	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	3376	1.991	ug/L	91
35) Trichloroethene	5.96	95	21173	11.957	ug/L	97
47) Tetrachloroethene	8.02	164	719747	515.077	ug/L	97

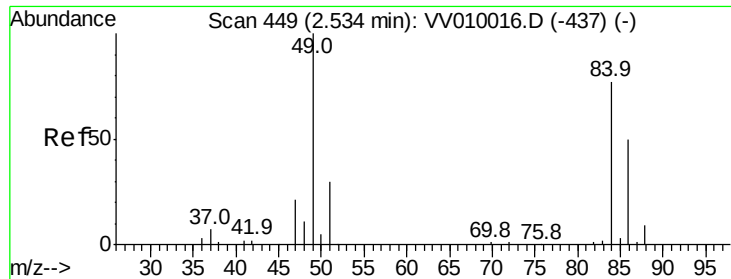
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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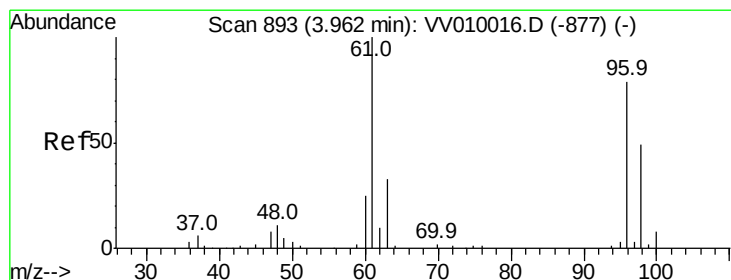
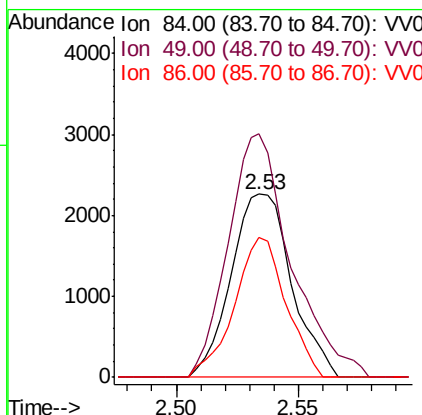
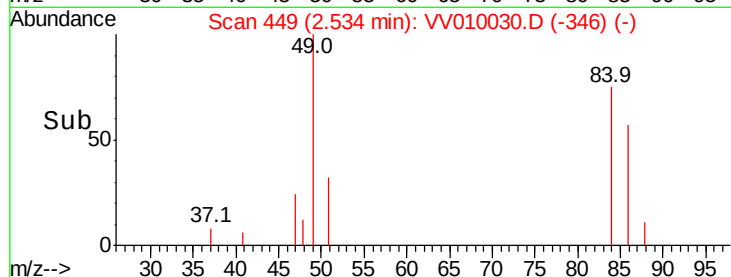
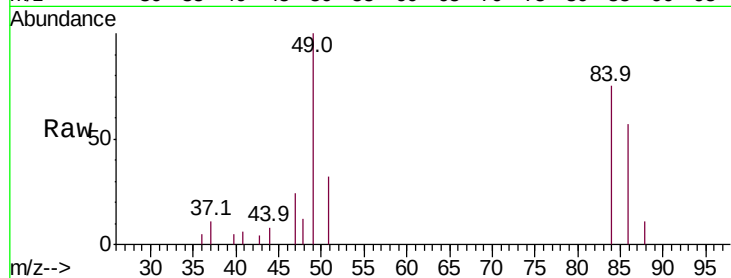




#16
Methylene chloride
Concen: 2.019 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010030.D
Acq: 30 Mar 2019 19:48

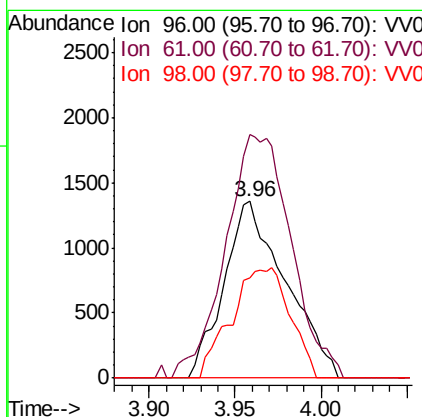
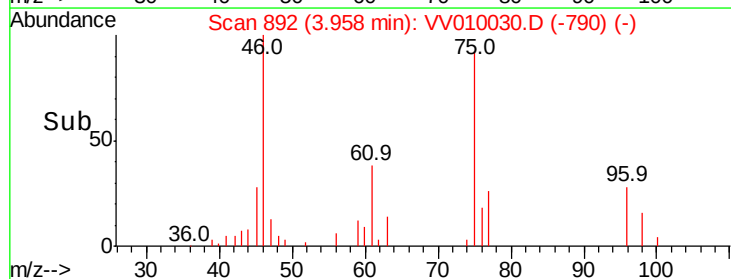
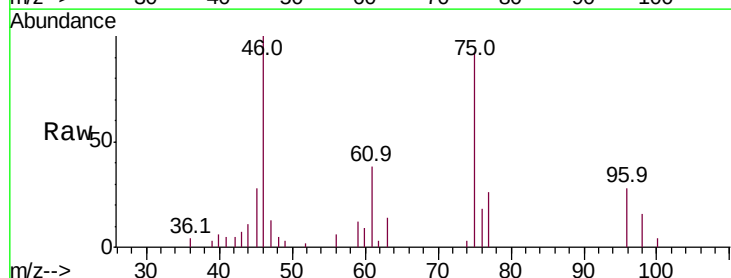
Instrument :
MSVOA_V
ClientSampled :
BF0M6

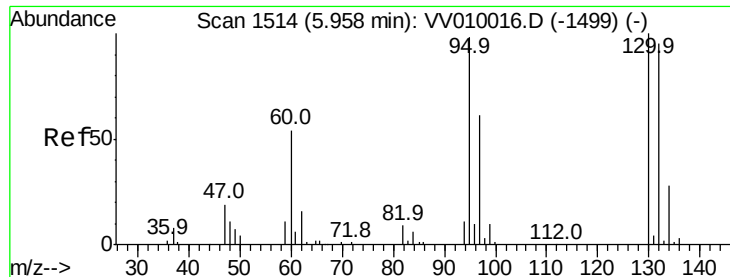
Tot Ion: 84 Resp: 3897
Ion Ratio Lower Upper
84 100
49 132.8 90.4 167.8
86 76.3 44.0 81.6



#22
cis-1,2-Dichloroethene
Concen: 1.991 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010030.D
Acq: 30 Mar 2019 19:48

Tgt Ion: 96 Resp: 3376
Ion Ratio Lower Upper
96 100
61 137.9 91.4 169.8
98 57.2 48.0 89.2





#35

Trichloroethene

Concen: 11.957 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010030.D

Acq: 30 Mar 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

BF0M6

Tot Ion: 95 Resp: 21173

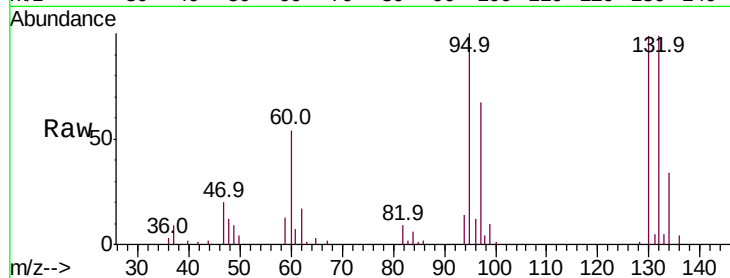
Ion Ratio Lower Upper

95 100

97 67.0 46.3 85.9

132 101.3 69.3 128.7

130 104.7 69.5 129.1

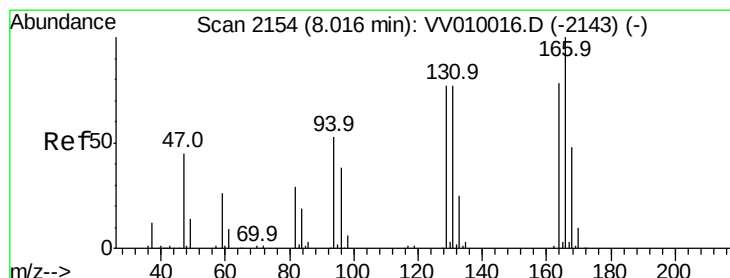
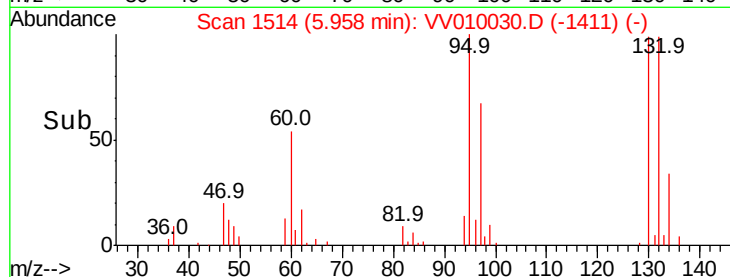
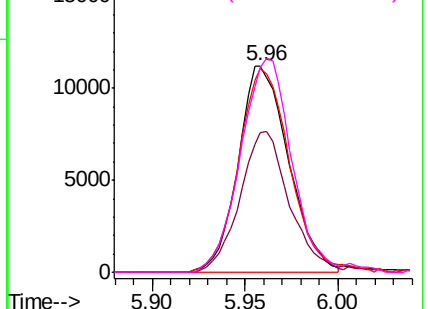


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#47

Tetrachloroethene

Concen: 515.077 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010030.D

Acq: 30 Mar 2019 19:48

Tgt Ion:164 Resp: 719747

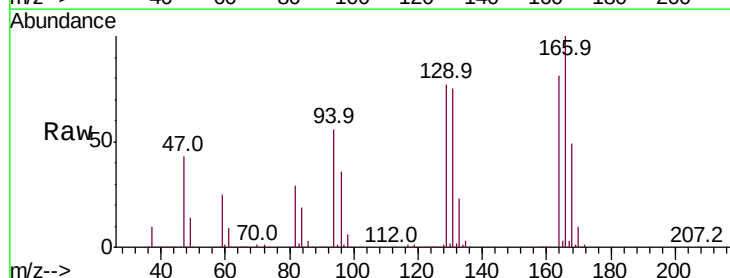
Ion Ratio Lower Upper

164 100

129 94.2 64.9 120.5

131 91.8 62.0 115.2

166 123.1 82.9 153.9



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

