

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030719\
 Data File : VV009534.D
 Acq On : 07 Mar 2019 17:26
 Operator : SY/MD
 Sample : K1789-07
 Misc : 5.69G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0P3

Quant Time: Mar 10 11:52:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 03:01:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	135542	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	134841	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61200	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29647	18.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.68%
7) Chloroethane-d5	1.57	69	30881	13.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.36%
10) 1,1-Dichloroethene-d2	2.12	63	66514	15.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.68%
20) 2-Butanone-d5	3.93	46	26776	48.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.32%
24) Chloroform-d	4.40	84	65442	20.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.08%
26) 1,2-Dichloroethane-d4	5.08	65	46755	25.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.80%
29) Benzene-d6	5.10	84	145892	21.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.40%
33) 1,2-Dichloropropane-d6	6.12	67	47199	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	7.36	98	140499	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.32%
38) trans-1,3-Dichloropropene-	7.66	79	20486	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.80%
39) 2-Hexanone-d5	8.13	63	21160	46.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49386	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.04%
61) 1,2-Dichlorobenzene-d4	11.68	152	52592	23.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.16%

Target Compounds

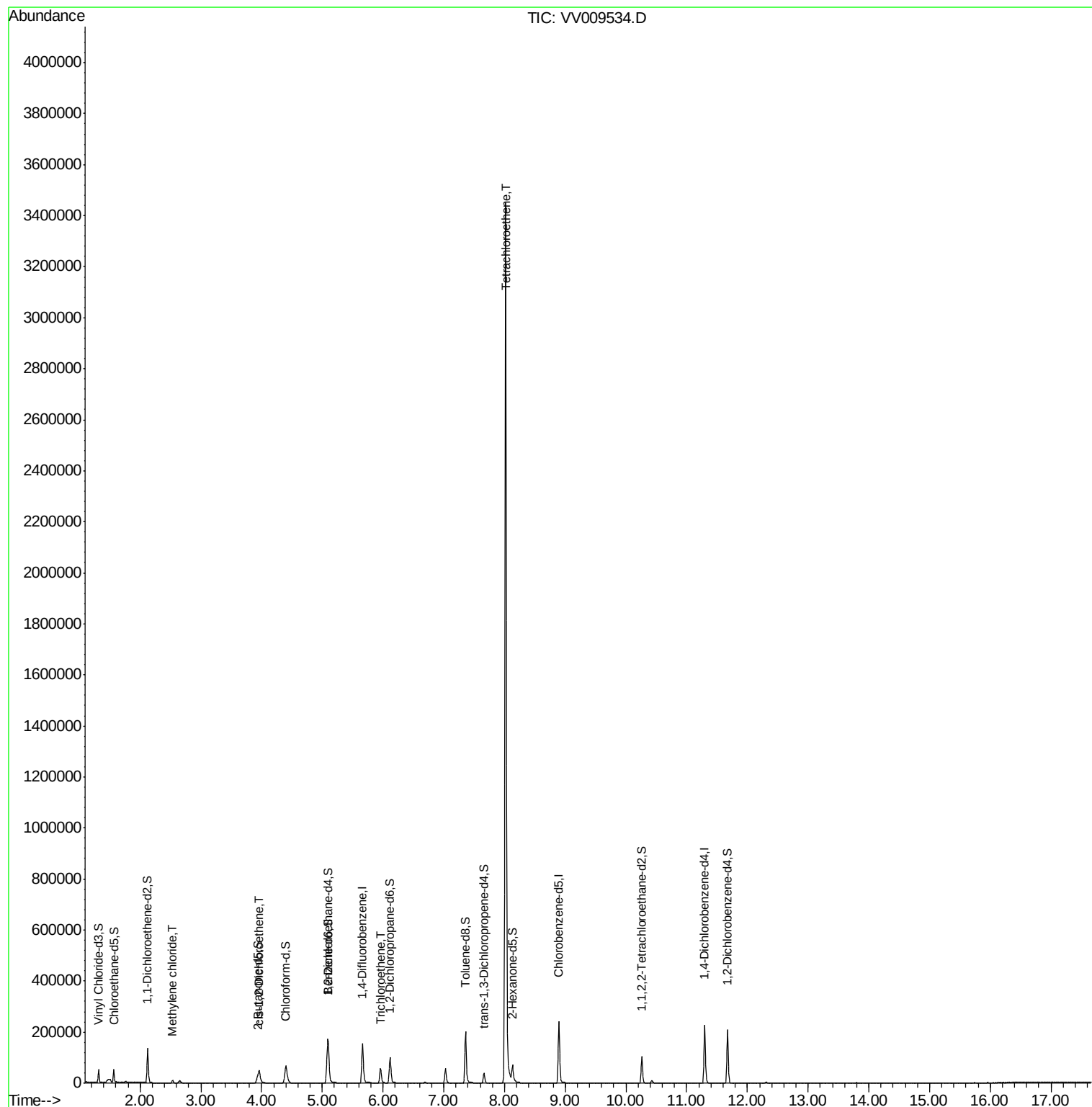
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.54	84	4179	2.349	ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	21600	11.820	ug/L	99
35) Trichloroethene	5.96	95	19358	9.668	ug/L	98
47) Tetrachloroethene	8.02	164	690885	454.907	ug/L	95

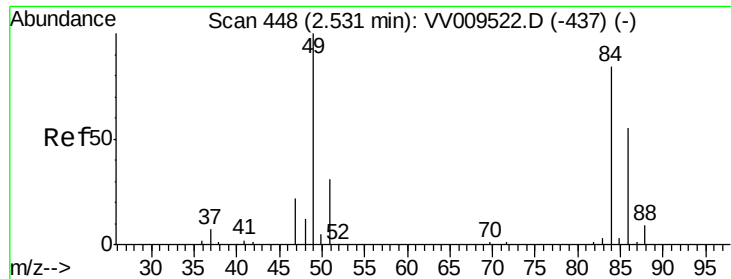
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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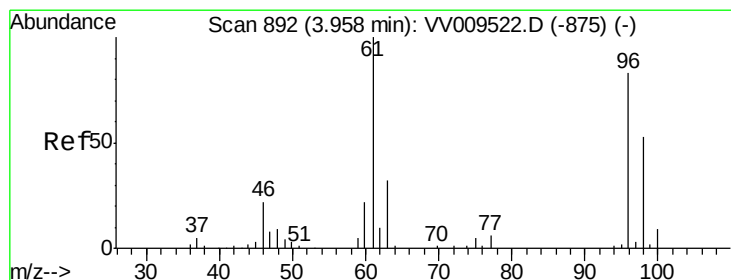
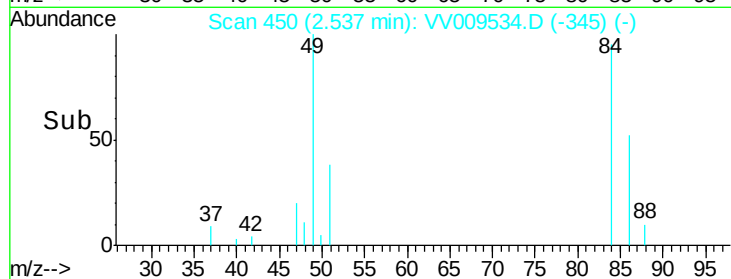
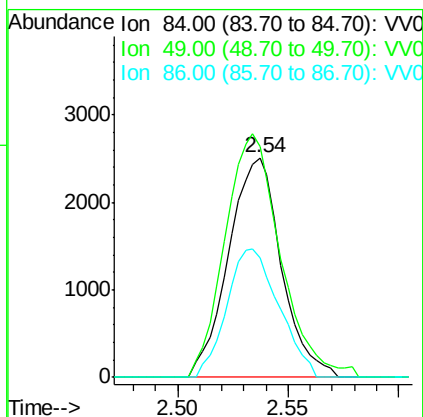
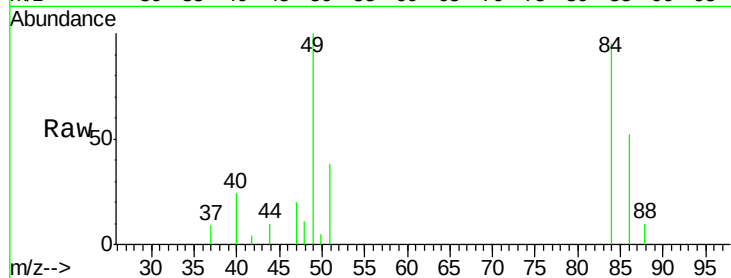




#16
Methylene chloride
Concen: 2.349 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV009534.D
Acq: 07 Mar 2019 17:26

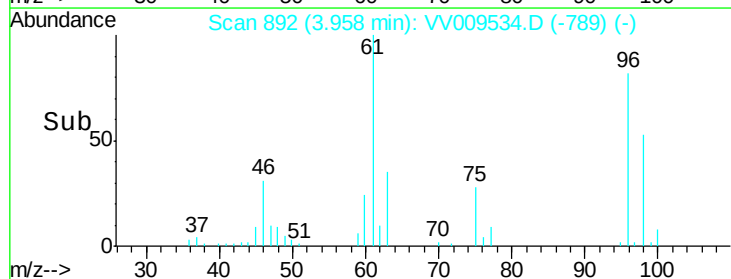
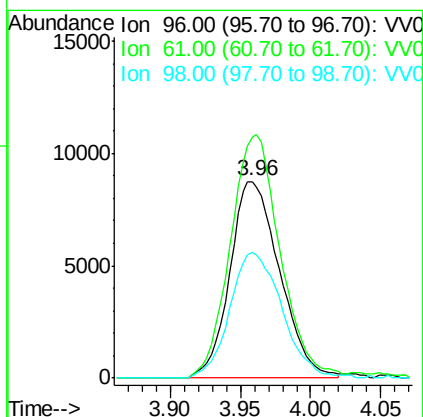
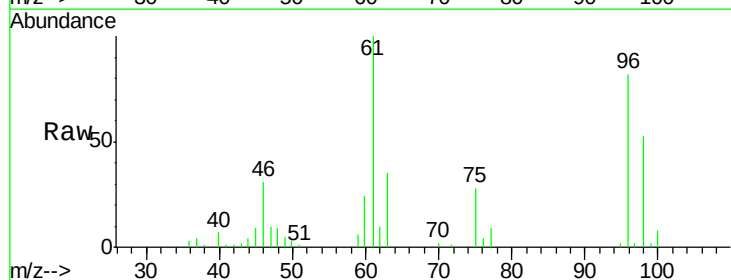
Instrument :
MSVOA_V
ClientSampleId :
BF0P3

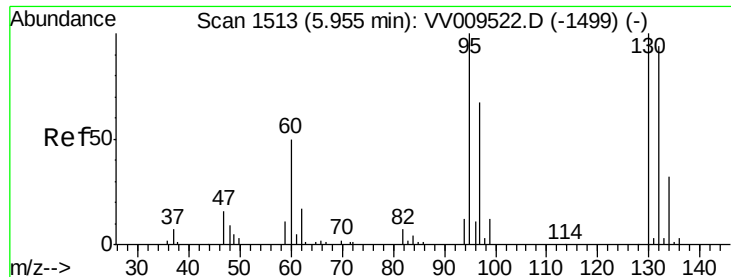
Tot Ion: 84 Resp: 4179
Ion Ratio Lower Upper
84 100
49 105.1 84.6 157.0
86 54.7 46.1 85.7



#22
cis-1,2-Dichloroethene
Concen: 11.820 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV009534.D
Acq: 07 Mar 2019 17:26

Tgt Ion: 96 Resp: 21600
Ion Ratio Lower Upper
96 100
61 122.3 87.2 161.9
98 64.3 44.6 82.8





#35

Trichloroethene

Concen: 9.668 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009534.D

Acq: 07 Mar 2019 17:26

Instrument :

MSVOA_V

ClientSampleId :

BF0P3

Tot Ion: 95 Resp: 19358

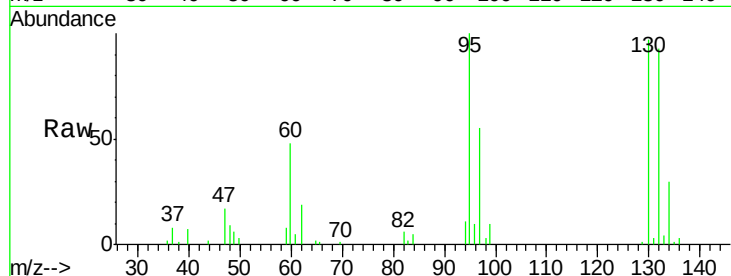
Ion Ratio Lower Upper

95 100

97 62.2 44.3 82.3

132 95.3 64.4 119.6

130 100.8 69.4 128.8

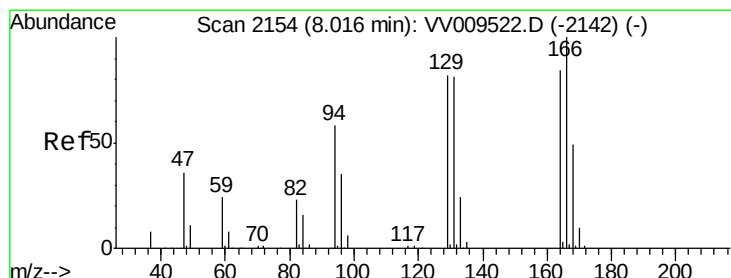
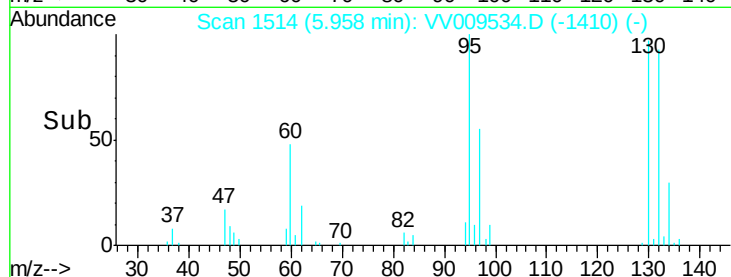
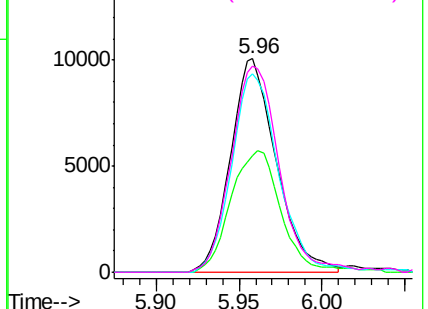


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 454.907 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009534.D

Acq: 07 Mar 2019 17:26

Tgt Ion:164 Resp: 690885

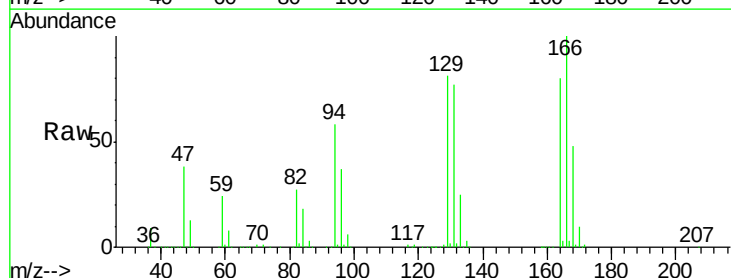
Ion Ratio Lower Upper

164 100

129 101.9 67.7 125.7

131 96.4 67.5 125.3

166 125.2 81.6 151.6



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

