

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121818\
 Data File : VV009039.D
 Acq On : 19 Dec 2018 03:22
 Operator : SY/MD
 Sample : J6419-12
 Misc : 5.42G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF040

Quant Time: Dec 19 08:09:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 19 07:18:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	224912	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	161582	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35140	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	57678	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.12%
7) Chloroethane-d5	1.58	69	58153	33.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	135.28%
10) 1,1-Dichloroethene-d2	2.13	63	109100	18.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.00%
20) 2-Butanone-d5	3.94	46	30803	36.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.70%
24) Chloroform-d	4.40	84	148500	27.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.84%
26) 1,2-Dichloroethane-d4	5.08	65	89097	30.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.80%
29) Benzene-d6	5.10	84	294318	32.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	130.44%
33) 1,2-Dichloropropane-d6	6.12	67	87759	34.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.96%#
37) Toluene-d8	7.36	98	231603	27.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.92%
38) trans-1,3-Dichloropropene-	7.66	79	35459	31.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	127.76%
39) 2-Hexanone-d5	8.14	63	19684	42.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55464	26.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.68%
61) 1,2-Dichlorobenzene-d4	11.68	152	28776	21.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.28%

Target Compounds

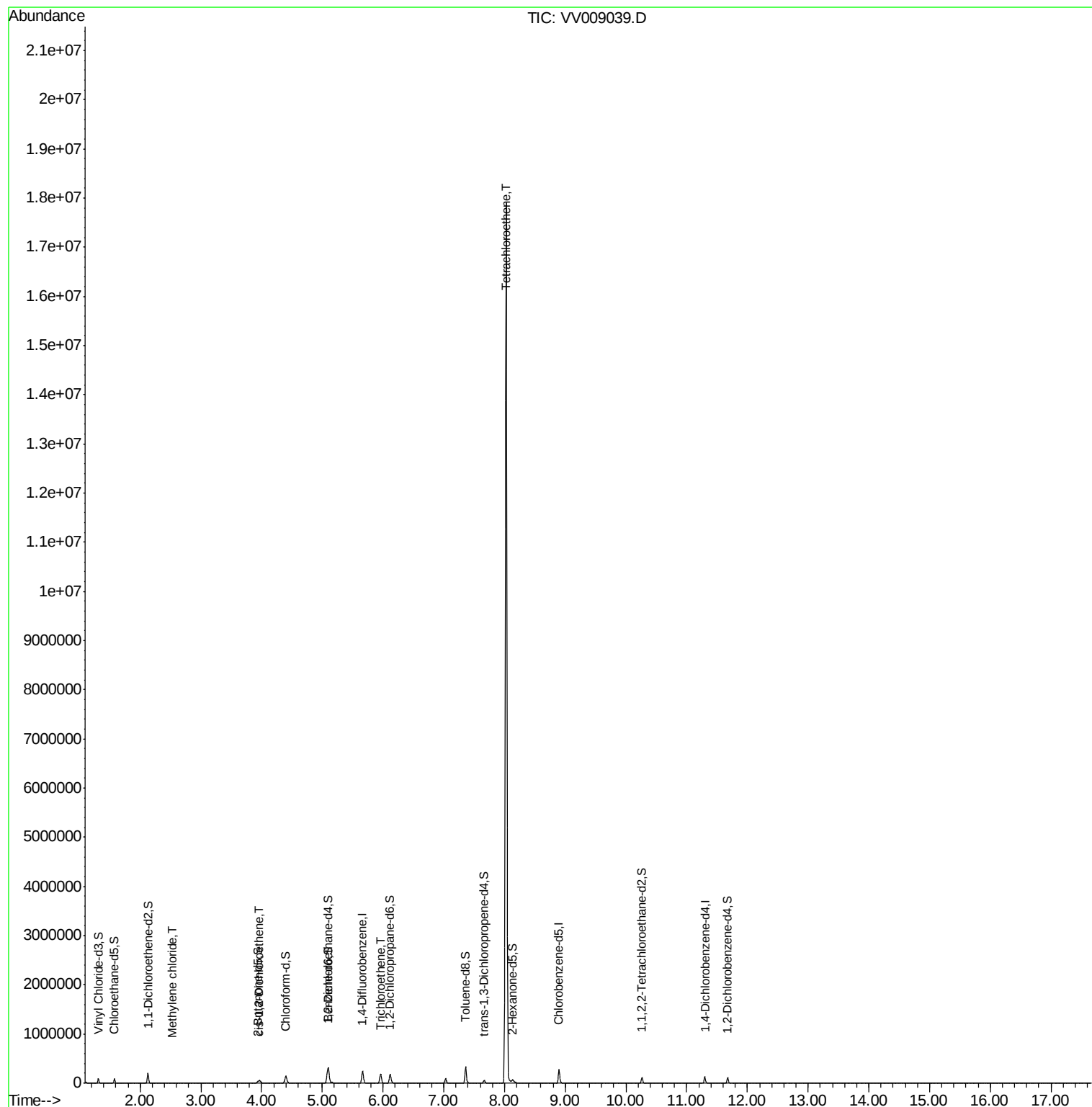
					Ovalue
16) Methylene chloride	2.54	84	3780	0.998	ug/L 91
22) cis-1,2-Dichloroethene	3.96	96	17133	5.245	ug/L 92
35) Trichloroethene	5.96	95	64819	22.209	ug/L 99
47) Tetrachloroethene	8.03	164	414388	1745.888	ug/L 96

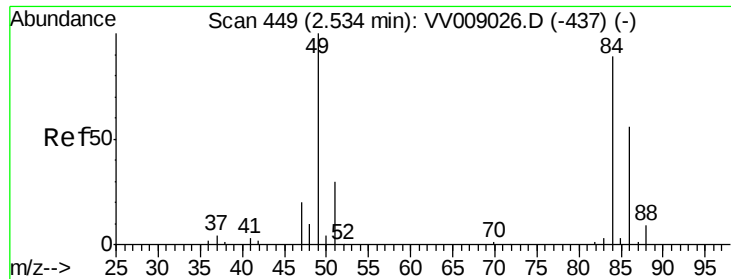
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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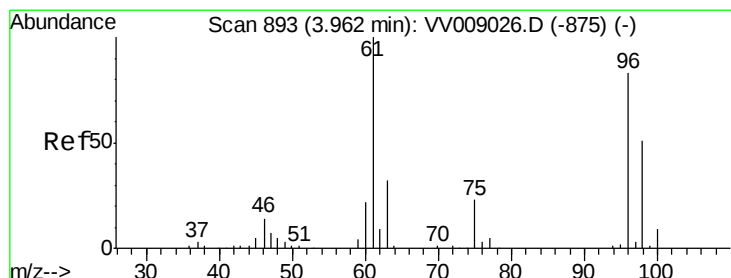
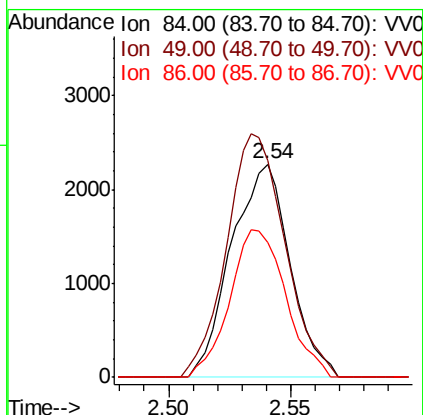
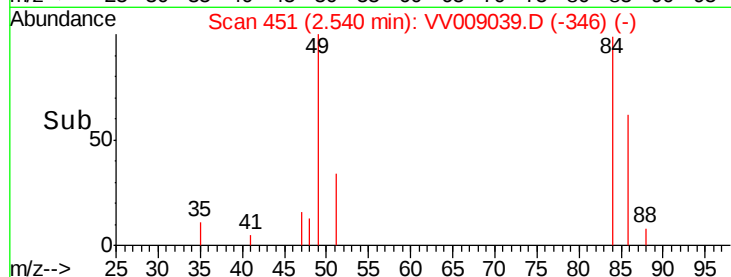
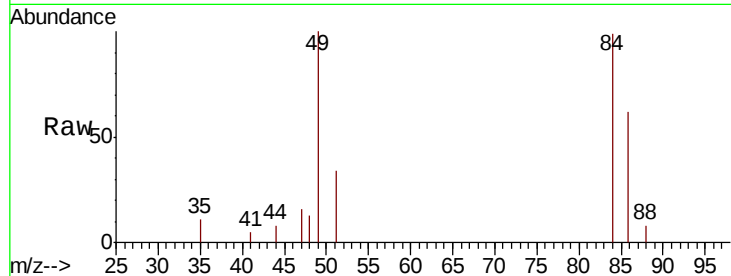




#16
Methvlene chloride
Concen: 0.998 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV009039.D
Acq: 19 Dec 2018 03:22

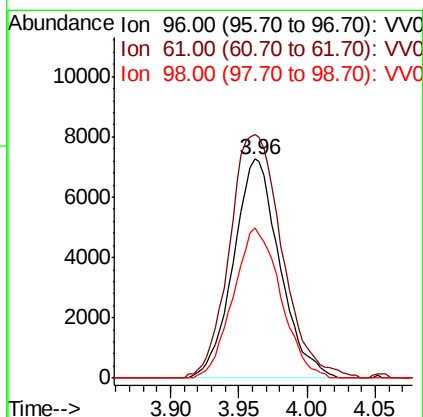
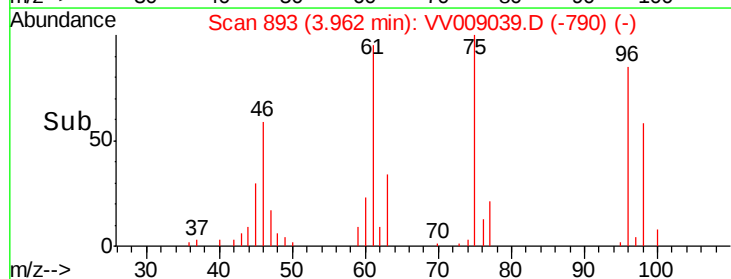
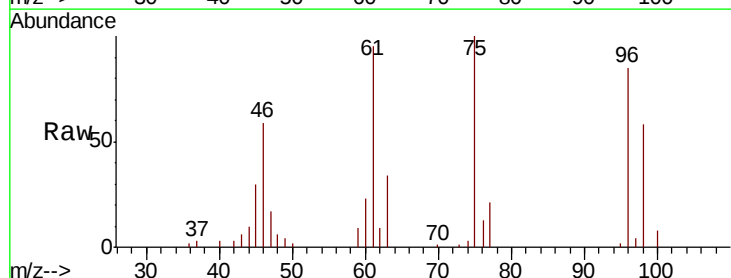
Instrument :
MSVOA_V
ClientSampleId :
BF040

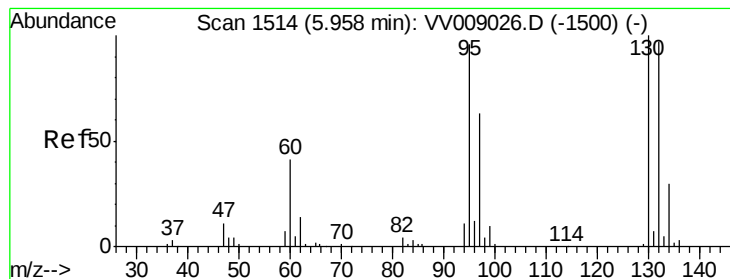
Tot Ion: 84 Resp: 3780
Ion Ratio Lower Upper
84 100
49 101.4 80.5 149.5
86 63.3 45.5 84.5



#22
cis-1,2-Dichloroethene
Concen: 5.245 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009039.D
Acq: 19 Dec 2018 03:22

Tgt Ion: 96 Resp: 17133
Ion Ratio Lower Upper
96 100
61 111.1 86.2 160.0
98 68.4 45.6 84.6





#35

Trichloroethene

Concen: 22.209 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

Instrument :

MSVOA_V

ClientSampleId :

BF040

Tot Ion: 95 Resp: 64819

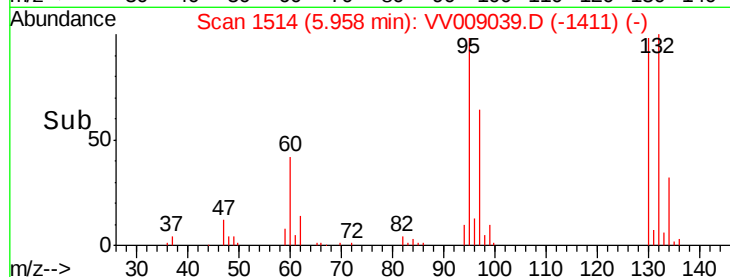
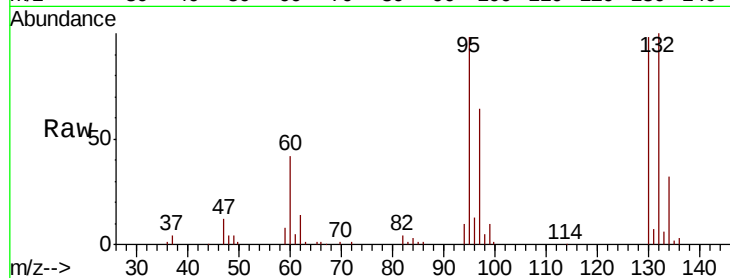
Ion Ratio Lower Upper

95 100

97 65.7 45.3 84.1

132 100.7 70.0 130.0

130 102.7 73.4 136.4



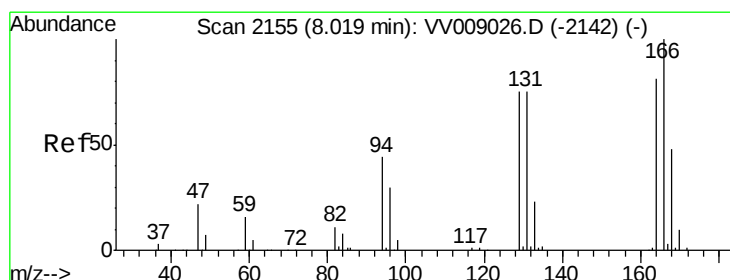
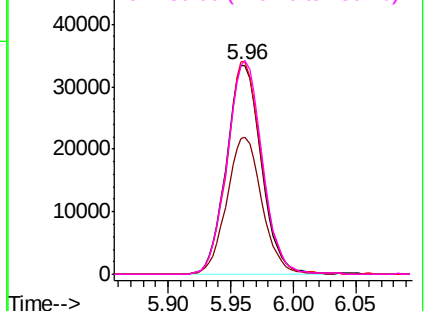
Abundance

Ion 95.00 (94.70 to 95.70): VV009039.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV009039.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV009039.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV009039.D (-1411) (-)



#47

Tetrachloroethene

Concen: 1745.888 ug/L

RT: 8.03 min Scan# 2158

Delta R.T. 0.01 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

Tgt Ion: 164 Resp: 4143888

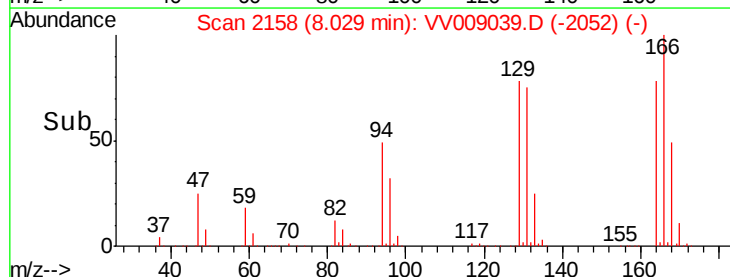
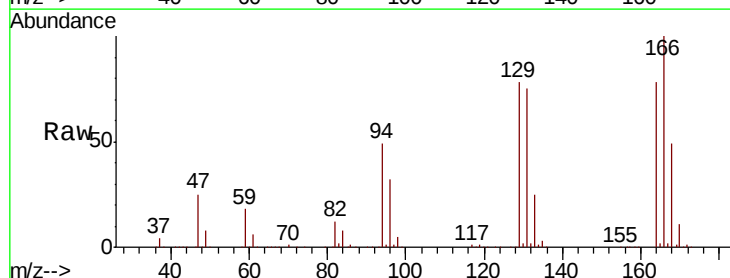
Ion Ratio Lower Upper

164 100

129 99.1 64.6 120.0

131 95.8 64.5 119.7

166 127.5 88.7 164.7



Abundance

Ion 164.00 (163.70 to 164.70): VV009039.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV009039.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV009039.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV009039.D (-2052) (-)

