

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031619\
 Data File : VU030110.D
 Acq On : 15 Mar 2019 14:50
 Operator : JC/SP
 Sample : K1949-02 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1B6

Quant Time: Mar 16 00:49:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	478376	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	471729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	227221	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	160796	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.64%
7) Chloroethane-d5	1.68	69	131618	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.06%
11) 1,1-Dichloroethene-d2	2.27	63	219724	38.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.94%
21) 2-Butanone-d5	4.17	46	261650	110.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.37%
24) Chloroform-d	4.65	84	294467	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
26) 1,2-Dichloroethane-d4	5.31	65	178469	54.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.86%
32) Benzene-d6	5.34	84	634550	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
36) 1,2-Dichloropropane-d6	6.33	67	200434	53.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.86%
41) Toluene-d8	7.56	98	565362	49.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.44%
43) trans-1,3-Dichloropropene-	7.85	79	89321	49.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.24%
47) 2-Hexanone-d5	8.31	63	217076	104.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294739	51.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	232202	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%

Target Compounds

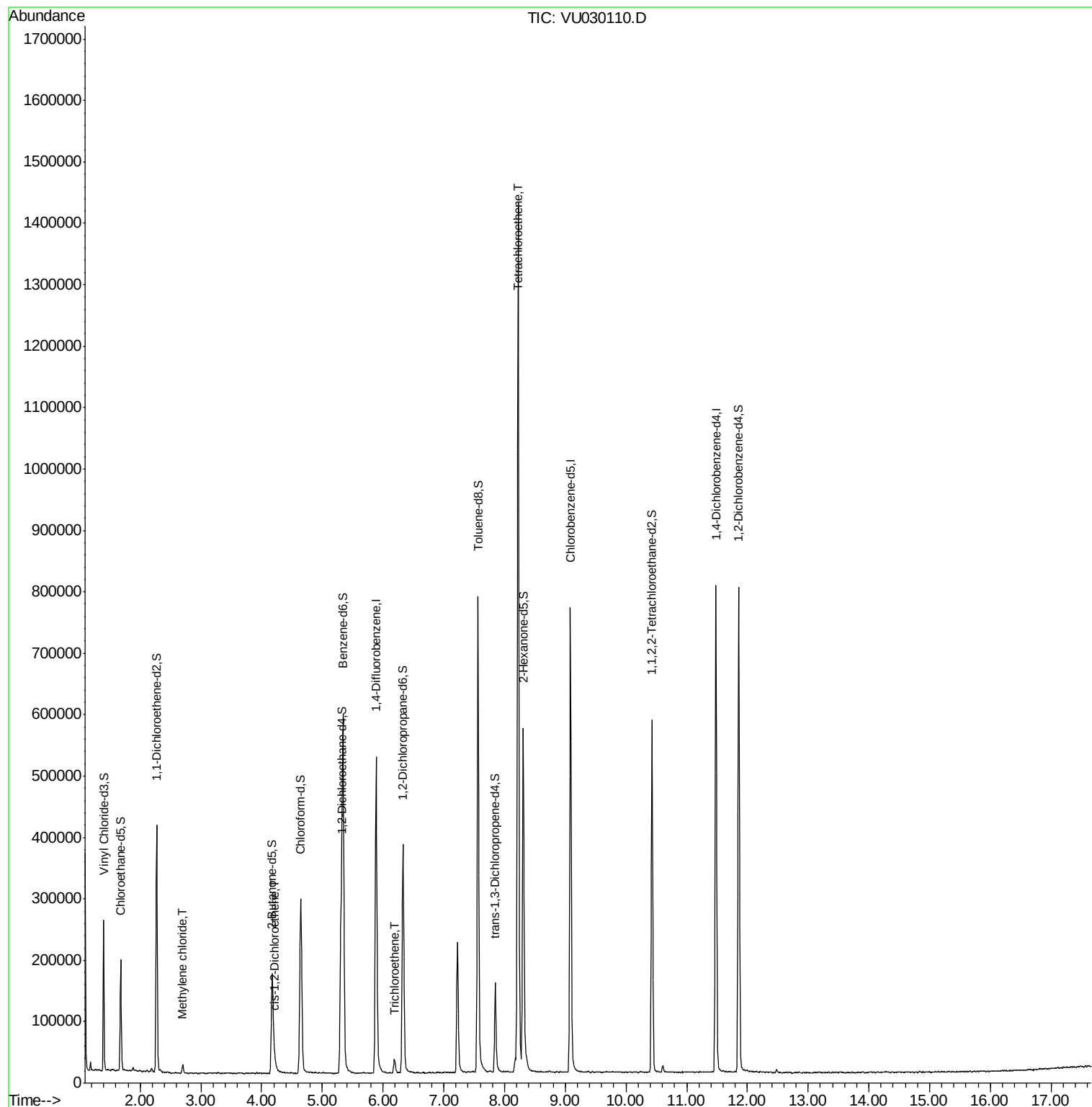
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.70	84	6509	1.838	ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	3965	1.067	ug/L	85
34) Trichloroethene	6.19	95	8283	2.341	ug/L	91
46) Tetrachloroethene	8.22	164	350261	113.130	ug/L	99

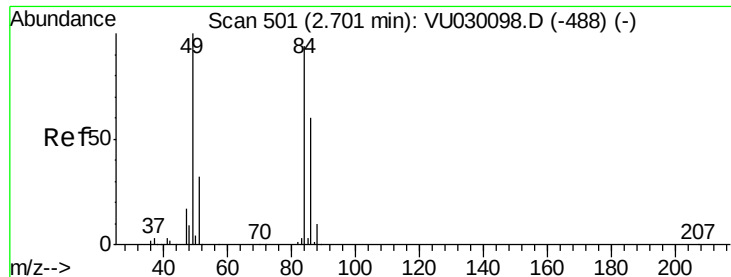
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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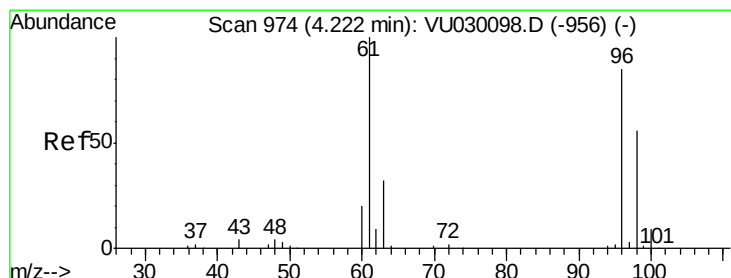
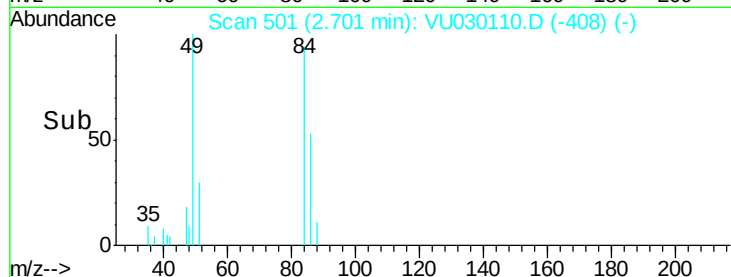
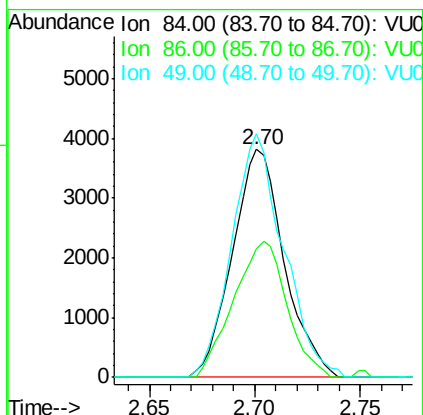
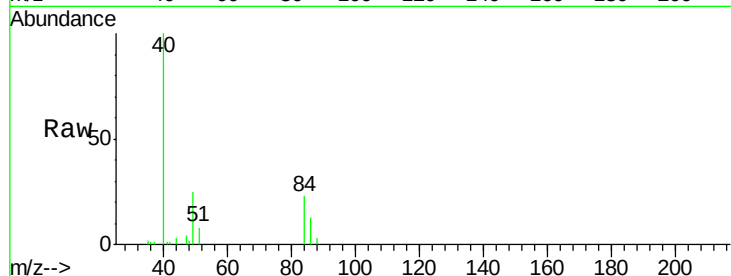




#16
Methylene chloride
Concen: 1.838 ug/L
RT: 2.70 min Scan# 501
Delta R.T. -0.00 min
Lab File: VU030110.D
Acq: 15 Mar 2019 14:50

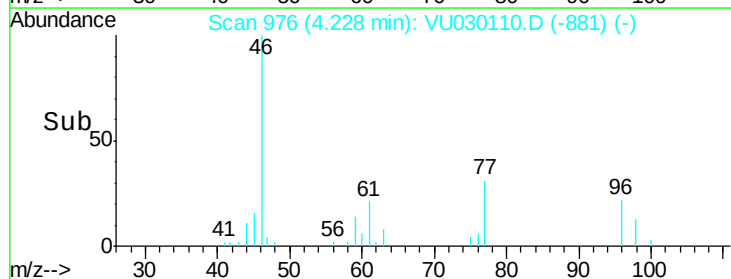
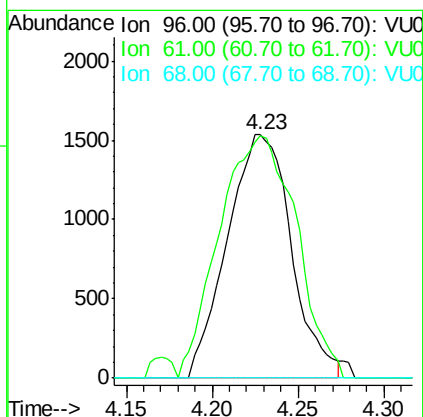
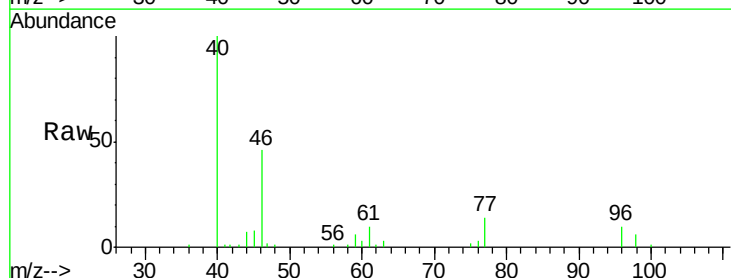
Instrument :
MSVOA_U
ClientSampled :
BF1B6

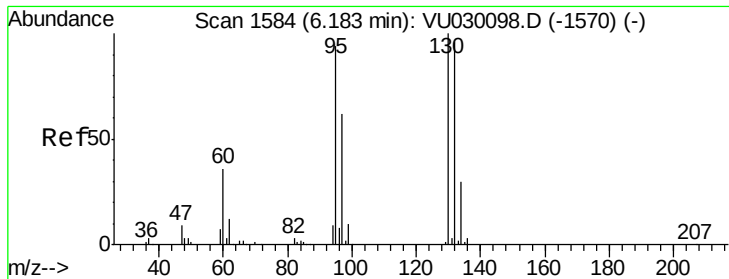
Tot Ion: 84 Resp: 6509
Ion Ratio Lower Upper
84 100
86 56.2 45.2 84.0
49 106.9 73.6 136.6



#20
cis-1,2-Dichloroethene
Concen: 1.067 ug/L
RT: 4.23 min Scan# 976
Delta R.T. 0.01 min
Lab File: VU030110.D
Acq: 15 Mar 2019 14:50

Tgt Ion: 96 Resp: 3965
Ion Ratio Lower Upper
96 100
61 99.5 80.8 150.2
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 2.341 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030110.D

Acq: 15 Mar 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

BF1B6

Tot Ion: 95 Resp: 8283

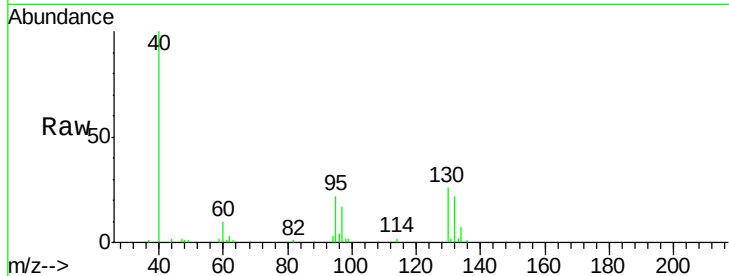
Ion Ratio Lower Upper

95 100

97 75.7 45.5 84.5

132 101.1 71.5 132.7

130 118.0 73.5 136.5

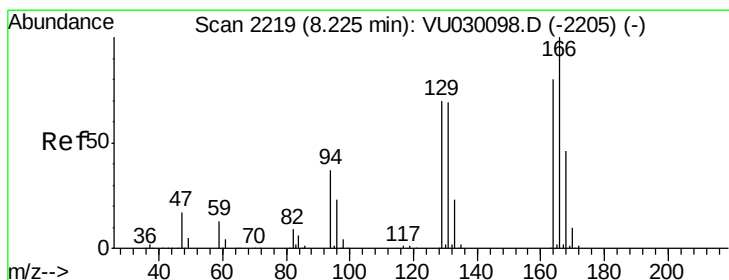
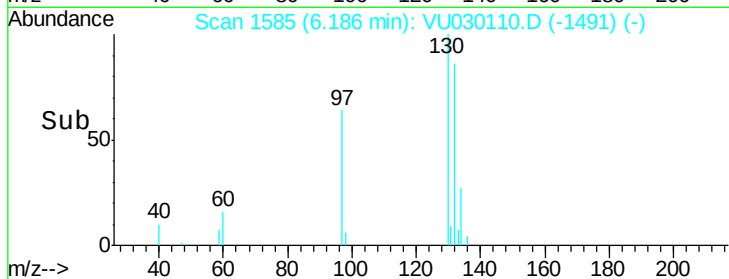
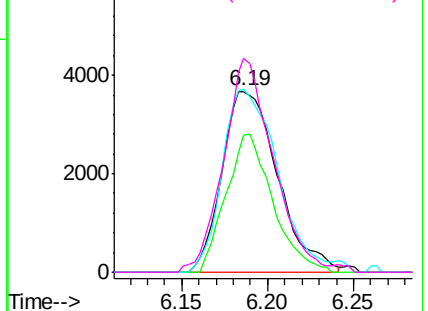


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 113.130 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030110.D

Acq: 15 Mar 2019 14:50

Tgt Ion:164 Resp: 350261

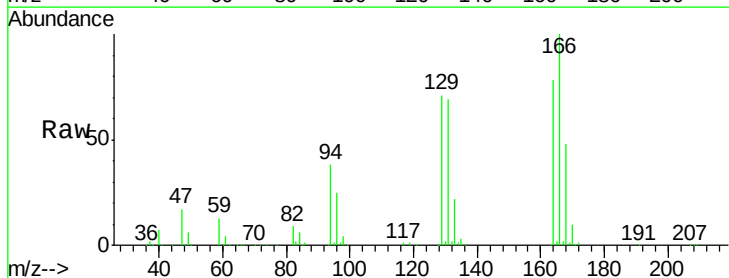
Ion Ratio Lower Upper

164 100

129 91.5 63.3 117.7

131 89.4 62.0 115.2

166 128.8 90.5 168.1



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

