

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033881.D
 Acq On : 21 Aug 2019 18:58
 Operator : JC/SP
 Sample : K4420-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2C06

Quant Time: Aug 22 07:44:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 07:18:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	391737	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	398531	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	164151	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	162127	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.00%
7) Chloroethane-d5	1.67	69	147699	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.62%
11) 1,1-Dichloroethene-d2	2.25	63	221958	37.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.36%
21) 2-Butanone-d5	4.15	46	194072	105.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.00%
24) Chloroform-d	4.62	84	270513	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
26) 1,2-Dichloroethane-d4	5.29	65	180183	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
32) Benzene-d6	5.32	84	543465	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
36) 1,2-Dichloropropane-d6	6.31	67	178947	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.88%
41) Toluene-d8	7.55	98	470916	45.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.28%
43) trans-1,3-Dichloropropene-	7.83	79	73230	43.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.78%
47) 2-Hexanone-d5	8.30	63	128389	96.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.31%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	252024	50.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.76%
64) 1,2-Dichlorobenzene-d4	11.84	152	171381	52.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.76%

Target Compounds

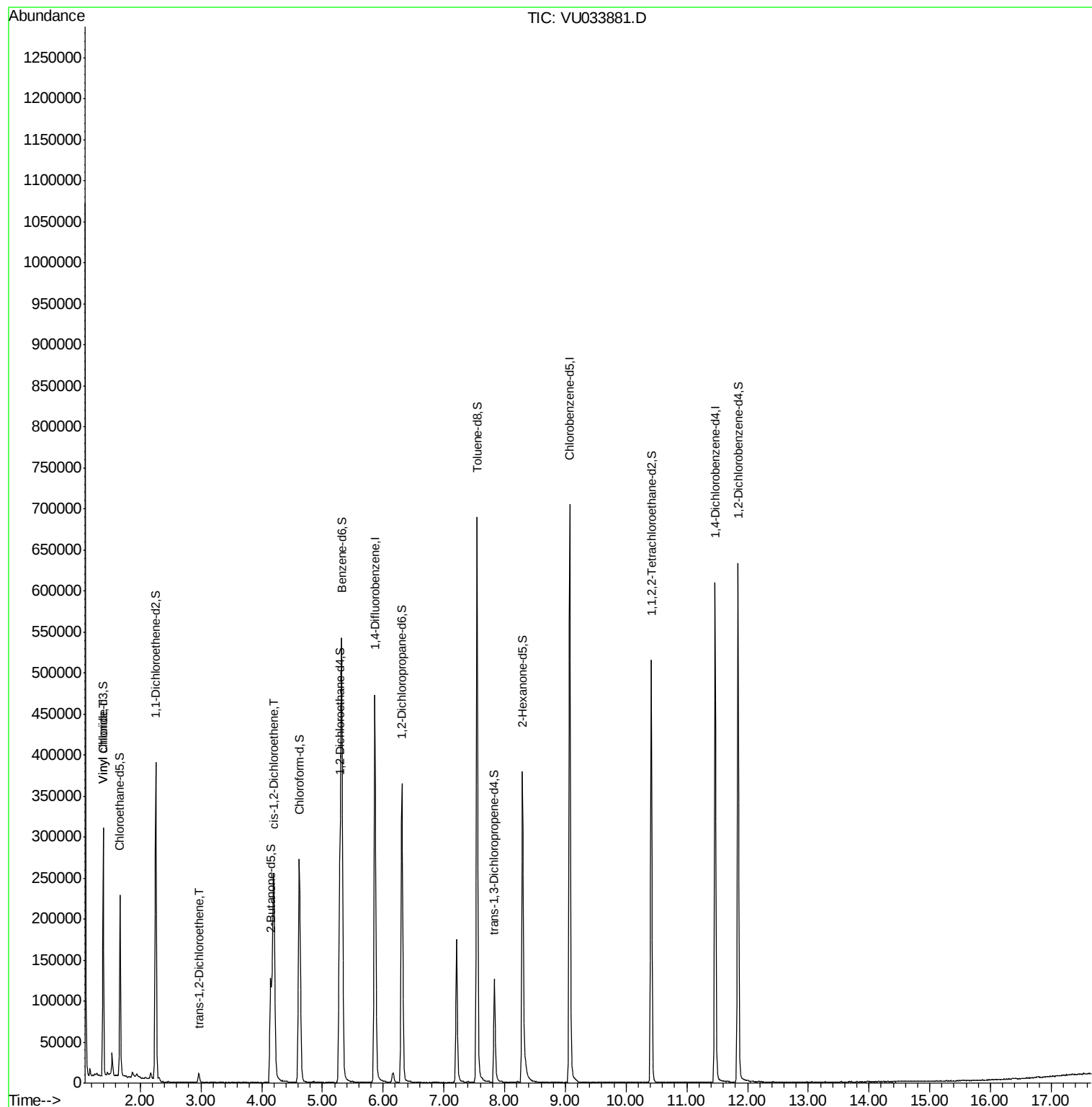
					Ovalue
5) Vinyl chloride	1.40	62	34780	7.905 ug/L	90
17) trans-1,2-Dichloroethene	2.96	96	4285	1.518 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	138923	45.503 ug/L	97

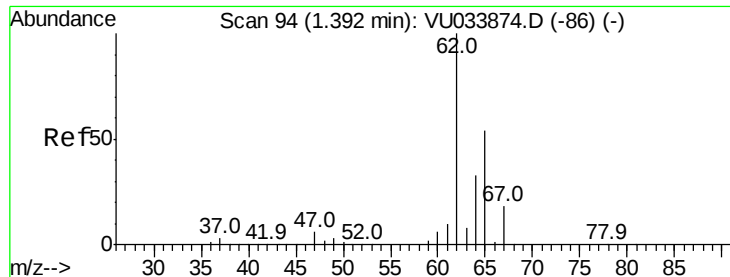
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.905 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033881.D

Acq: 21 Aug 2019 18:58

Instrument :

MSVOA_U

ClientSampleId :

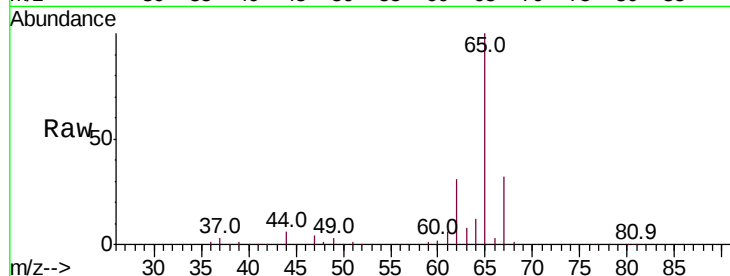
F2C06

Tot Ion: 62 Resp: 34780

Ion Ratio Lower Upper

62 100

64 38.9 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU033881.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033881.D (-1) (-)

1.40

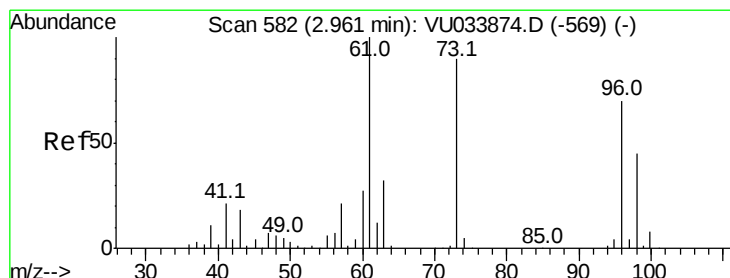
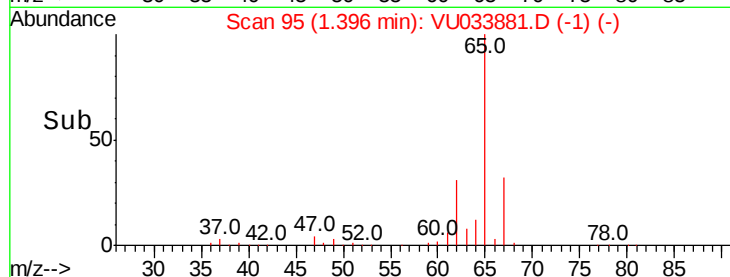
30000

20000

10000

0

Time-->



#17

trans-1,2-Dichloroethene

Concen: 1.518 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033881.D

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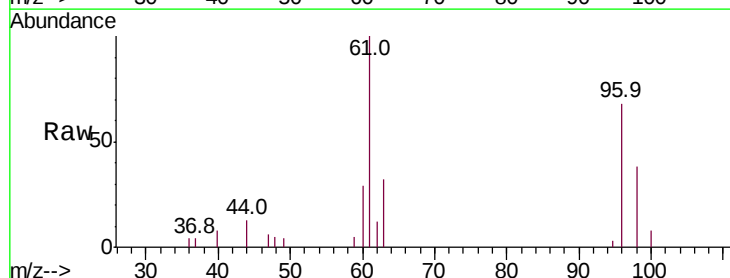
Tgt Ion: 96 Resp: 4285

Ion Ratio Lower Upper

96 100

61 146.2 98.6 183.2

98 55.8 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU033881.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033881.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033881.D (-489) (-)

4000

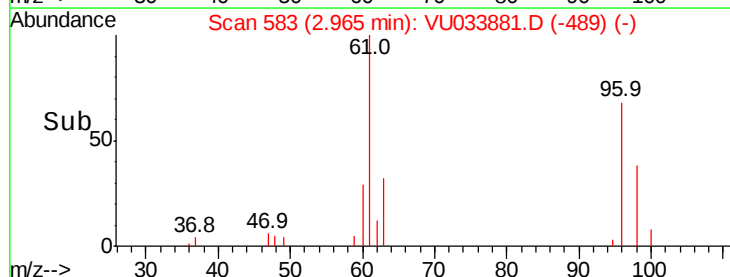
3000

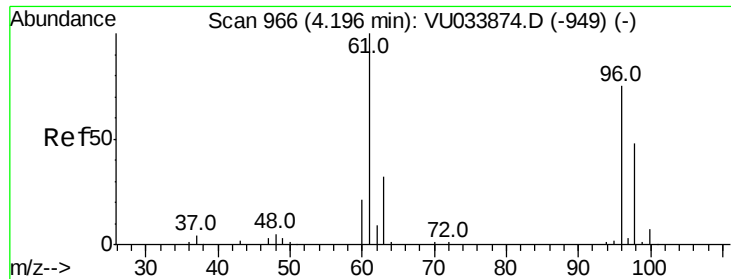
2000

1000

0

Time-->





#20
 cis-1,2-Dichloroethene
 Concen: 45.503 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033881.D
 Acq: 21 Aug 2019 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 F2C06

Tot Ion: 96 Resp: 138923
 Ion Ratio Lower Upper
 96 100
 61 130.0 88.2 163.8
 68 0.0 0.0 0.0

