

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033872.D
 Acq On : 21 Aug 2019 14:51
 Operator : JC/SP
 Sample : K4420-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B97

Quant Time: Aug 22 07:08:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 05:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	378456	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	386990	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	157217	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	165431	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.18%
7) Chloroethane-d5	1.67	69	145274	45.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.24%
11) 1,1-Dichloroethene-d2	2.25	63	208413	36.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.24%
21) 2-Butanone-d5	4.15	46	176582	98.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.89%
24) Chloroform-d	4.62	84	267183	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
26) 1,2-Dichloroethane-d4	5.29	65	177964	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
32) Benzene-d6	5.32	84	532025	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.70%
36) 1,2-Dichloropropane-d6	6.31	67	175435	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.84%
41) Toluene-d8	7.55	98	464679	46.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.76%
43) trans-1,3-Dichloropropene-	7.83	79	73612	44.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.84%
47) 2-Hexanone-d5	8.29	63	116393	89.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	242812	49.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.96%
64) 1,2-Dichlorobenzene-d4	11.84	152	171447	54.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.44%

Target Compounds

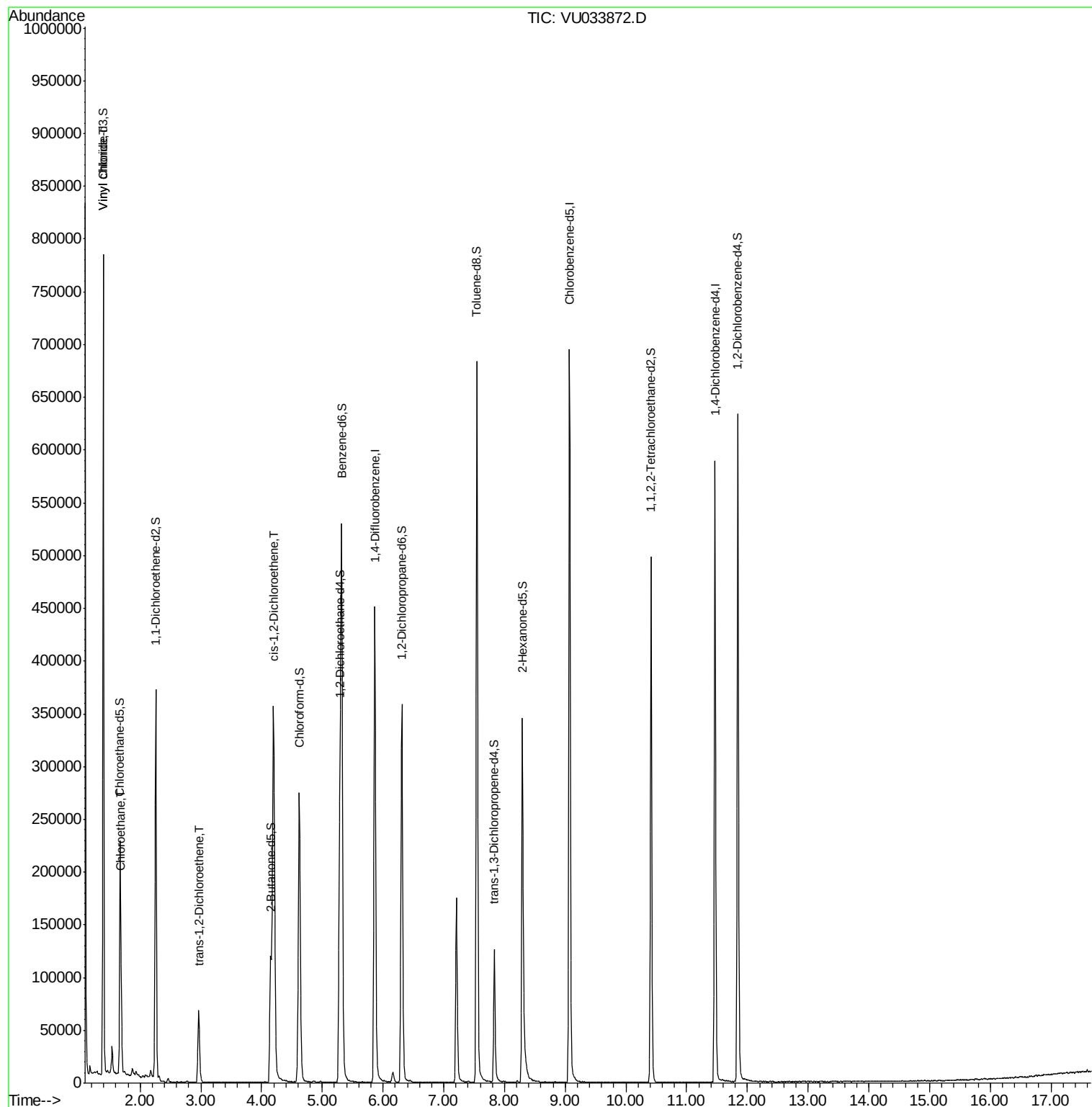
					Ovalue
5) Vinyl chloride	1.39	62	342415	80.553	ug/L 100
8) Chloroethane	1.69	64	50173	17.038	ug/L 93
17) trans-1,2-Dichloroethene	2.96	96	25865	9.486	ug/L 96
20) cis-1,2-Dichloroethene	4.20	96	195764	66.371	ug/L 95

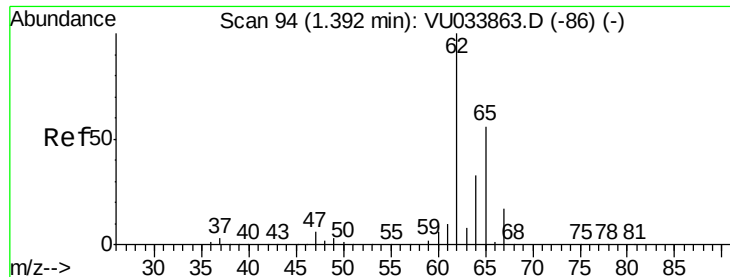
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 80.553 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

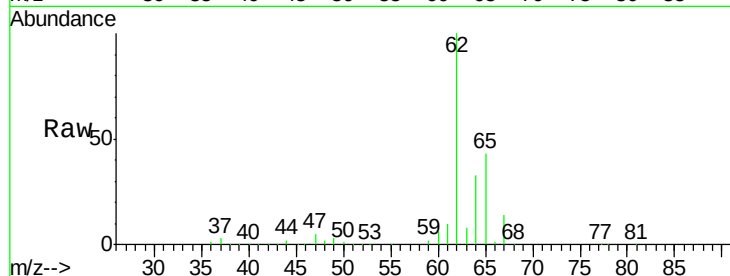
F2B97

Tot Ion: 62 Resp: 342415

Ion Ratio Lower Upper

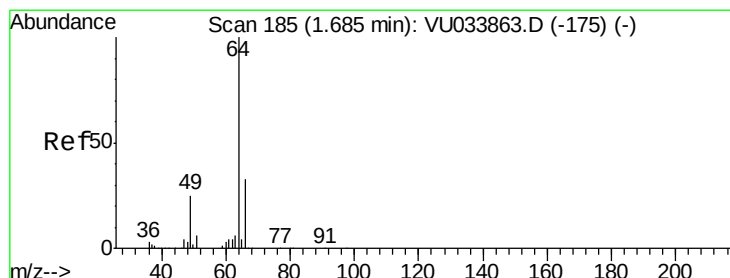
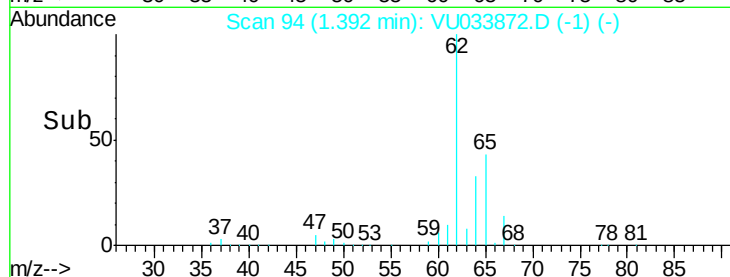
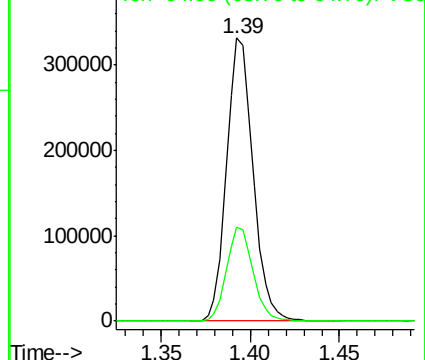
62 100

64 33.2 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 17.038 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

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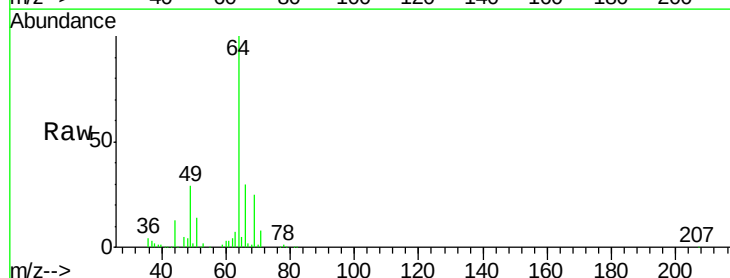
Acq: 21 Aug 2019 14:51

Tgt Ion: 64 Resp: 50173

Ion Ratio Lower Upper

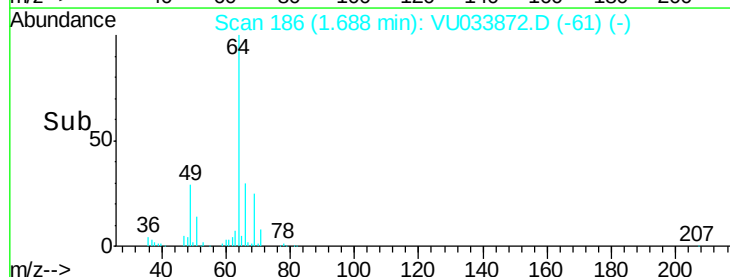
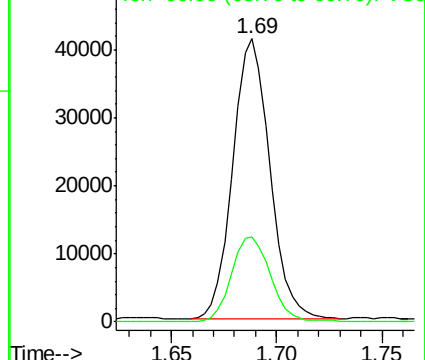
64 100

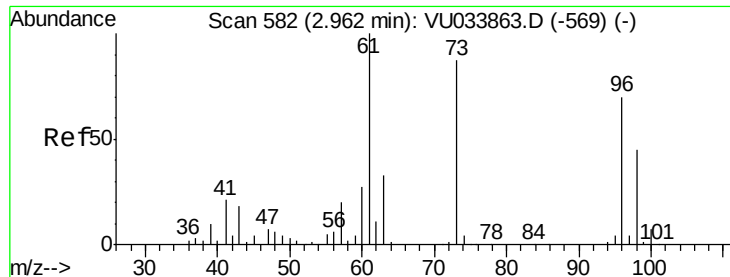
66 30.2 23.9 44.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

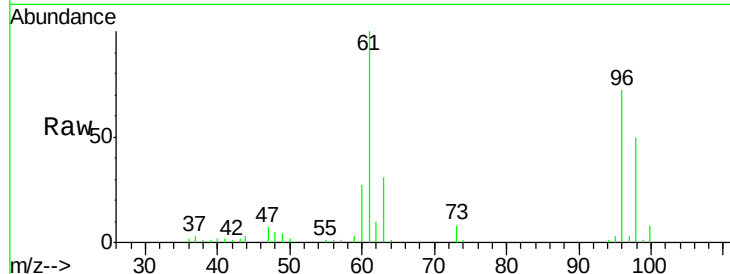




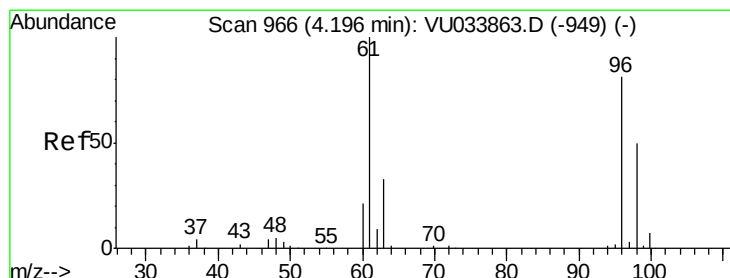
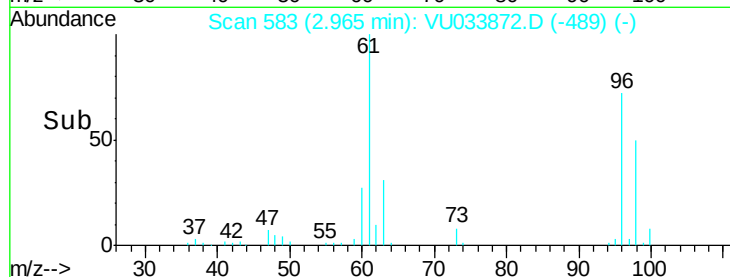
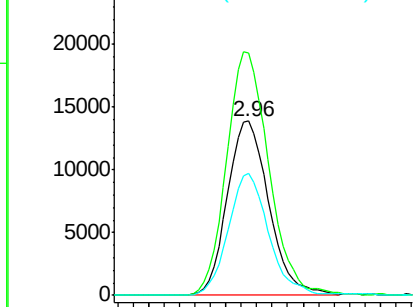
#17
trans-1,2-Dichloroethene
Concen: 9.486 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU033872.D
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Instrument :
MSVOA_U
ClientSampleId :
F2B97

Tot Ion: 96 Resp: 25865
Ion Ratio Lower Upper
96 100
61 138.9 98.6 183.2
98 69.7 43.8 81.3

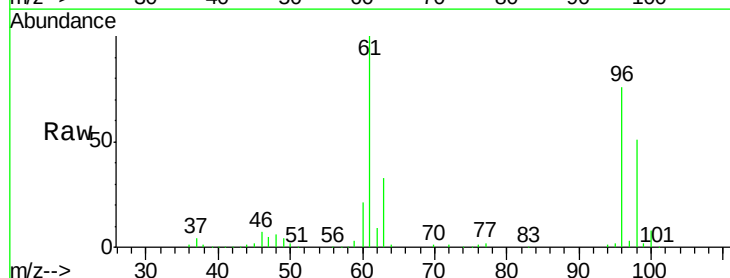


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#20
cis-1,2-Dichloroethene
Concen: 66.371 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033872.D
Acq: 21 Aug 2019 14:51

Tgt Ion: 96 Resp: 195764
Ion Ratio Lower Upper
96 100
61 132.2 88.2 163.8
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

