

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033747.D
 Acq On : 11 Aug 2019 13:15
 Operator : JC/SP
 Sample : K4202-16RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B41RE

Quant Time: Aug 12 05:36:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 04:45:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	274383	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	275421	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	123050	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	40939	20.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	40.54%#
7) Chloroethane-d5	1.67	69	47938	23.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	47.36%#
11) 1,1-Dichloroethene-d2	2.26	63	53135	15.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	31.30%#
21) 2-Butanone-d5	4.15	46	160041	127.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.81%
24) Chloroform-d	4.62	84	124206	41.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.78%
26) 1,2-Dichloroethane-d4	5.29	65	81331	43.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.68%
32) Benzene-d6	5.32	84	190851	29.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	58.72%#
36) 1,2-Dichloropropane-d6	6.31	67	79404	39.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.62%
41) Toluene-d8	7.55	98	149630	24.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	48.94%#
43) trans-1,3-Dichloropropene-	7.84	79	30717	30.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.98%
47) 2-Hexanone-d5	8.30	63	109208	105.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.70%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	157578	53.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	89595	43.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.52%

Target Compounds

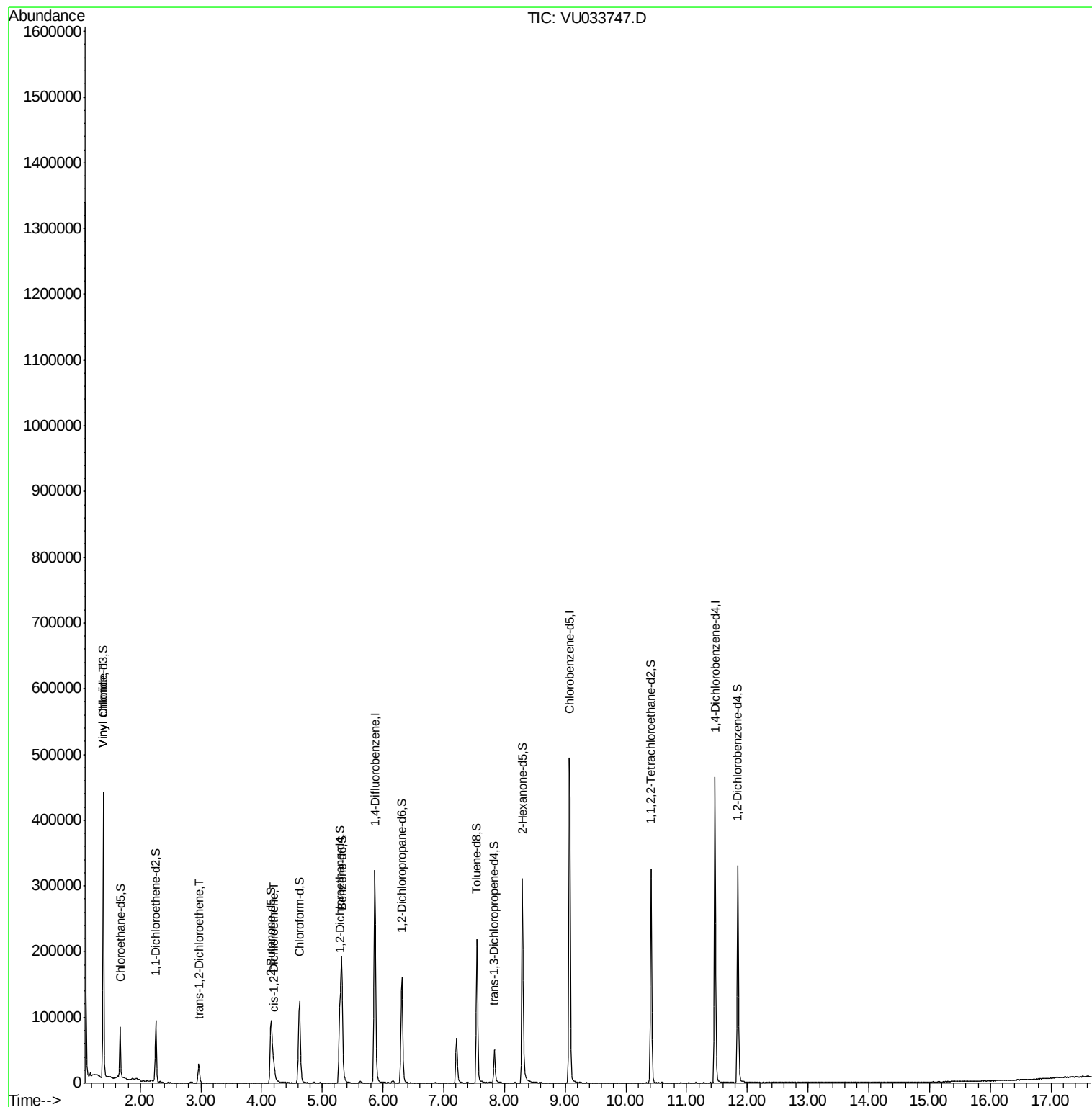
					Ovalue
5) Vinyl chloride	1.39	62	244759	105.967	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	11311	6.541	ug/L 94
20) cis-1,2-Dichloroethene	4.20	96	9851	4.994	ug/L 87

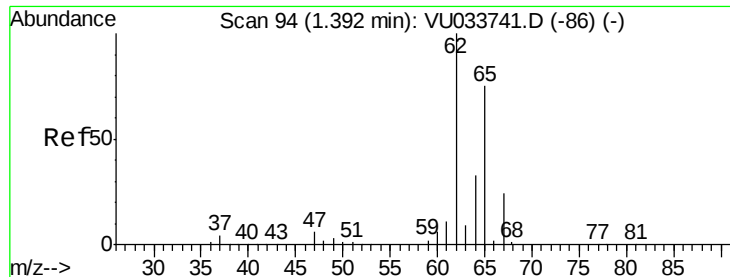
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 105.967 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033747.D

Acq: 11 Aug 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

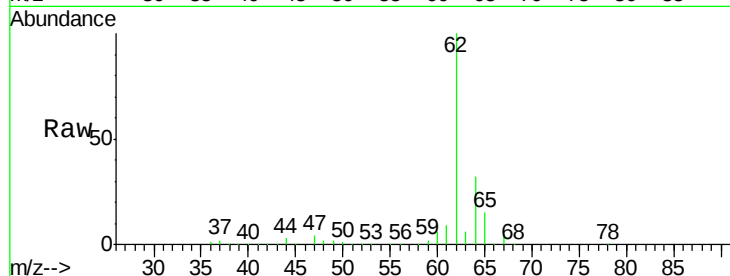
F2B41RE

Tot Ion: 62 Resp: 244759

Ion Ratio Lower Upper

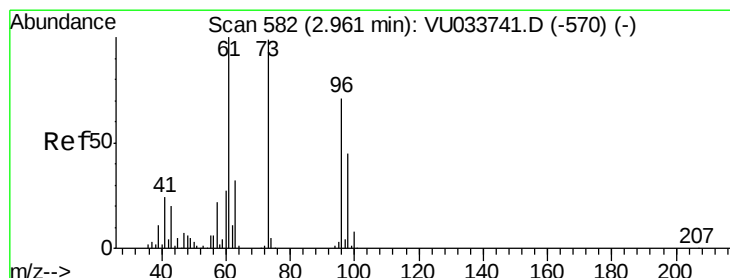
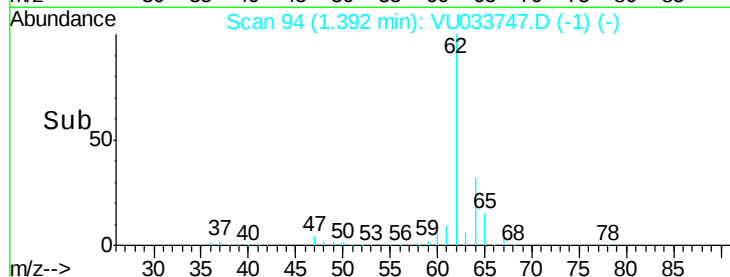
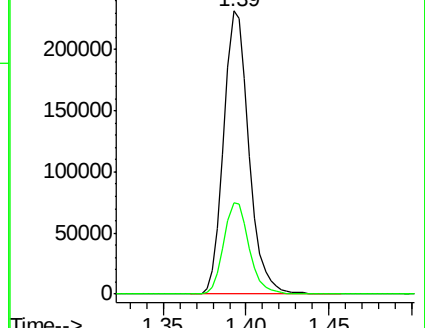
62 100

64 32.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033747.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033747.D (-86) (-)



#17

trans-1,2-Dichloroethene

Concen: 6.541 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU033747.D

Acq: 11 Aug 2019 13:15

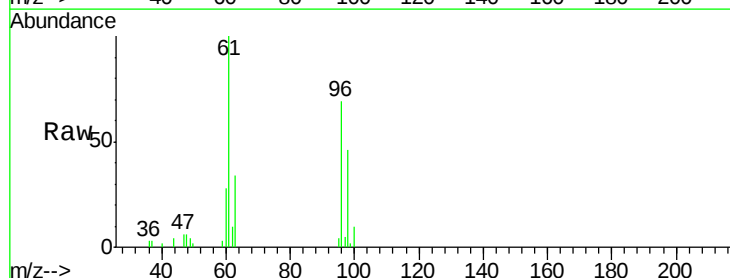
Tgt Ion: 96 Resp: 11311

Ion Ratio Lower Upper

96 100

61 144.7 95.6 177.6

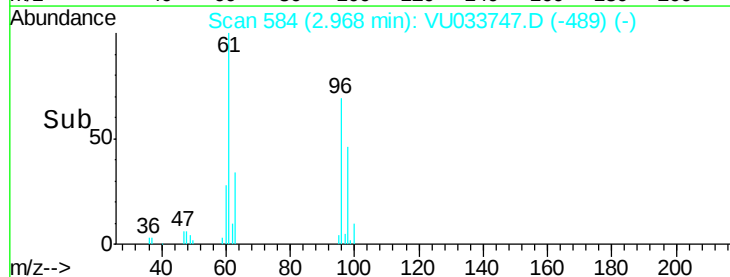
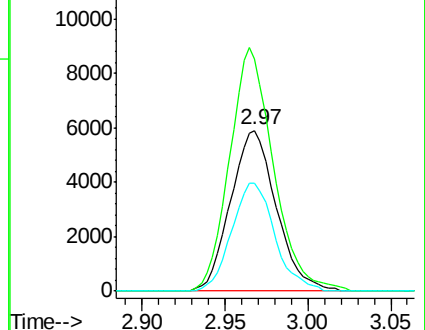
98 67.3 44.6 82.8

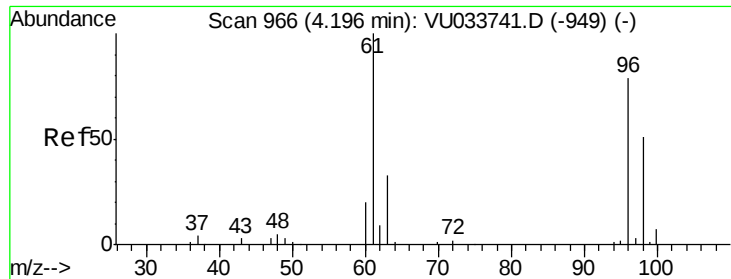


Abundance Ion 96.00 (95.70 to 96.70): VU033747.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033747.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033747.D (-570) (-)





#20
 cis-1,2-Dichloroethene
 Concen: 4.994 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VU033747.D
 Acq: 11 Aug 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B41RE

Tot Ion: 96 Resp: 9851
 Ion Ratio Lower Upper
 96 100
 61 139.2 87.0 161.6
 68 0.0 0.0 0.0

